People Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Queer
Taluk: Maira Mandrian
District: Jammu
State / UT: J&K
Geographical Area of the Panchayat Samiti:
Population under the Panchayat Samiti:
Male: Female:
Habitat and Topography: Hilly & Mountain
Climate (Rainfall, Temperature and weather patterns):
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(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

Details of Biodiversity Management Committee (BMC) of the body; not less than one third to be women and not less than 18	Panchayat (One elected Chairperson and six persons nomina 8% belonging to SC/ST)
1)Name of the Chairperson: Rattan Lal	
Age: 62 years	
Gender: Male	
Address: Queer	
Area of specialization:	
2) Name: Shakuntla Devi	
Age: 47 years	
Gender: Female	
Address: Queer	
Area of specialization:	
3) Name:- Poli Devi	
Age: 54 years	
Gender: Female	
Address: Queer (Chankhadi)	
Area of specialization:	
4)Name: Kuldeep Raj	
Age: 41 years	
Gender: Male	
Address: Manoh	
Area of specialization:	
5)Name: Ram Singh	
Age: 76 years	
Gender: Male	
Address: Queer	
Area of specialization:	
6)Name: Om Parkash	
Age: 61 years	
Gender: Male	
Address: Queer	
Area of specialization:	
7)Name: Hanish Kumar	
Age:	
Gender:	
Address:	
Area of specialization:	

Γ

	Annexure
List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using bio occurring within the jurisdiction of the village	ological resour
1)Name: Om Parkash	
Age: 65 Years	
Gender:	
Address: Vill. Manch	
Area of specialization: Vaid	
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:	

Annex
List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisl and foresty
1) Name of the Chairperson: Puran Singh
Age: 70 years
Gender: Male
Address: Queer
Area of specialization: Agriculture
2) Name:
Age:
Gender:
Address:
Area of specialization:
3)Name:
Age:
Gender:
Address:
Area of specialization:
4)Name:
Age:
Gender:
Address:
Area of specialization:

De pr	etails of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals eparation of the PBR
1)	Contact Person: Rattan Lal
	Name and Address: Queer
2)	Contact Person:
	Name and Address:
3)	Contact Person:
	Name and Address:
4)	Contact Person:
	Name and Address:
Yo	ou 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 3 5 1 2 4 6 Local and Scientific Name of the biological material Accessed and quantity Anticipated mode of sharing Date and resolution of the **Detail of collection fee** Name and address of the benefits or quantum of benefits shared S.No BMC and endorsement by the Person/Institute/company others imposed Panchayat Local Scientific names Syzgium cimimi 8/21/2020 Nil Nil Jamun Terminalia chebula Harad Rattan Lal R/o Queer

Part II PBR – Formats AGROBIODIVERSITY

Format 1: Crop Plants

1	2	3	4	5	6	,	7	8	9	10	11	12	13	14
Crop	Local	Scientific	Variety	Landscape	Approx Area	Local	Status	Special	Uses	Associated	Other	Cropping	Source of Seeds /	Community /Knowledge
Стор	Name	Name	variety	/Habitat	Sown	Past	Present	features	Uses	TK	Details	Season	Plants	Holder
				Dekalb double	Sub tropical / Upland	Rare	Plenty	Tall, high yielding with yellow in colour)					Farmers / Department / Privaate Suppliers	
				K-517		Plenty	Rare	Average tall with yellow in colour	rodder	Provides energy	-	Kharif (May to October)		Farmers
1	Maize	Zea mays	Maka	Ujala		Normal	Plenty							
				K-612		Plenty	Normal							
				Pro Agro-4794		Plenty	Normal	Tall, high yielding with yellow in colour)						
2	Mash	Viana munao	Mhaa	PU-19		Normal	Normal	High yielding Variety	Food	Source of Vegetable	-	Summer/	Farmers / Department	Farmers
2	Iviasii	Vigna mungo	Mhaa	Utra		Normal	Normal		rood	Protein	-	Kharif	/ Privaate Suppliers	ranners

3	Bajra	Pennisetum americanum	Bajra	Local Variety	Warm / Humid	Normal	Normal	Tall & low Yielding	Food &	Source of		Kharif	Farmers /	
	Вајга		Dajia	MHB-110	climate under Sandy loam Soil	Normal	Normal	variety	Fodder	Energy	-	(May to October)	/ Privaate Suppliers	Farmers
4	Wheat	Triticum aestivum	Kanak	HD2967,PBW6 44	Cool Climate during early part of its growth	Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Br ead making	Rabi	Farmers / Department / Privaate Suppliers	Farmers
5	Lentil	Lens esculantum	Masar	PL406	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/Energ y	Improve soil fertility	Rabi	Farmers / Department / Privaate Suppliers	Farmers
6	Chick-pea	Cicer arietinum	Chana	GNG-469/C 235	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/Energ y	Improve soil fertility	Rabi	Farmers / Department / Privaate Suppliers	Farmers

7	Peas	Pisum sativum	Matar	Rachna	Cool & dry	Normal	Normal	Early maturing &High yielding	Food	Source of Protein/Energ y	Used as Vegetable	Rabi	Farmers / Department / Privaate Suppliers	Farmers
8	Onion	Allium cepa	Gamd	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Abundant	Rare	Bulbs Cash Crop	Vegetab gles	Vegetable	Staple Vegetable food	Rabi	Farmers / Department / Privaate Suppliers	
9	Mustard	Brassica juncea/ Brassica comprestris	Sarson	Pusa Bold/ KOS -1	Cool & dry	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 / Privaate Suppliers	Farmers
10	Linseed	Linum usitatissimum	Alsi	LC 54	Cool & dry	Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,i ndustrial & domestic use	Rabi	Farmers / Department / Privaate Suppliers	Farmers
11	Potato	Solamum tuberosum	Aalo	Kufri Sindhuri,Kufri Badsha, local	Potato is an herbaceous annual,requirs cool weather,mostly rainfed conditions	Abundant	Normal	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable,c hips etc	-	High carbohydrat e,provide high n energy value	Rabi	Farmers / Department / Privaate Suppliers	Farmers

12	Toria	Brassica j. rape cv.Toria	Toria	RSPT-1,RSPT- 2,Local var.	Cool & dry with bright sunshine	Normal	Normal	Short durationAnnua l Herb	oil for prepration of Food	Source of energy i,calciam,cop per,potassium		Between Kharif & Rabi season	Farmers / Department / Privaate Suppliers	Farmers
13	Sesame	Sesamum indicum	Til	Punjab Til No.1/local	Warm / Humid of Sub tropical region	Normal	Normal	Medium Yielding	Food	Source of Vegetable oil	Religiuos and medicinal value	June - Oct.	Farmers / Department / Privaate Suppliers	Farmers
14	Chilli	Capsicum spp	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,grows well warm humid conditions	Abundant	Normal	Pungency and flavor	Used as spice ,medi cianal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department / Privaate Suppliers	Farmers
15	Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Abundant	Normal	Stems are woody and weak, and tend to vine over other types of plants.	alad,	rich source of Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department / Privaate Suppliers	Farmers
16	Okra	Abelmoschus esculentus	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropicall vegetablHot and humid climate	Abundant	Normal	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers,protei n and carbohydrat esry	Kharif	Farmers / Department / Privaate Suppliers	Farmers

17	Cucumber	Cucumis sativus	Kheera	Kheera local,JL	Grows in all climatoic conditions,Tropical, Sub tropical &temprate	Abundant	Normal	Limbing annual bearing elongated thick cylendrical fruit	Mainly used as salad	-	It also used asantipyreti c and causing cooling effect	Summer/ Kharif	Farmers / Department / Privaate Suppliers	Farmers
18	Bottle gourd	Lagenaria siceraria	Lokki	PSPL/Punjab Long	Summer &rainy season crop	Abundant	Rare	Vines vigrous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department / Privaate Suppliers	Farmers
19	Bitter gourd	Momordica charantia	karela	Pusa Domausmi/Kun dan	Warm and Humid climate	Abundant	Rare	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maitaining low suger level	Summer/ kharif	Farmers / Department / Privaate Suppliers	Farmers
20	Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/loamy soil	Abundant	Rare	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein,Vita mineB1,B2 <b6 and<br="">Maganese</b6>	Summer season	Farmers / Department / Privaate Suppliers	Farmers
21	Knol khol	Brassica oleracae var.gongyloid es	Kadam	White vienna,Purple vienna	cool &moist climate/sub tropical	Abundant	Abundant	Swollen stem ,grren/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department / Privaate Suppliers	Farmers

22	Spanich	Spinacea oleracea	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils	Abundant	Rare	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 / Privaate Suppliers	Farmers
23	Radish	Raphanus sativus	Mulli	Japanes White ,Koren Ete	Cool season Crop, thrives well on well drained Sandy loam soils	Abundant	Normal	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

	Format-2 : Fruit Plants													
1	2	3	4	5	(6	7	8	9	10	11	12		
Plant	Scientific Name	Local Name	Variety	Landscape /	Local	Status	Source of Seeds /	Season of	Associated	Uses	Other Details	Community /Knowledge		
	Selentine Ivanie	Local Ivalie	v arrety	Habitat	Past	Present	Plants	fruiting	TK		markt / own use	Holder		
	Magnifera indica	Mango			Abundant	Abundant								
	Ziziphus jujuba	Ber			Normal	Normal								

Format 3:-Fodder Crops / Species

1	2	3	4	5	6	7	8		9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Habit	Area (Approx.)Rab	Landscape/	Local S	Status	Part Used	Associated TK	Other details(mode	Sources of Seeds and	Community
					i/ Kharif	Habitat	Past	Present		110000111101111111111111111111111111111	of use)	Plants	Kn. Holders
1	Oats	Avena spp.	Javi	Annual		Cool & moist climate	Abundant	Rare	Above ground part of plant	Nutritious & palatable fodder,	Fodder		Farmers
2	Sorghum	Sorghum spp.	cherri	Annual		Warm & humid	Abundant	Rare	Above ground part of plant	Source of energy	Fodder	Farmers / Department/	Farmers
3	Maize	Zea mays	Makki	Annual	6840	Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Food & fodder	Privaate Suppliers	Farmers
4	Bajra	Pennisetium americanum	Bajra	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Source of energy	Food & fodder	Farmers / Department/	Farmers
5	Cowpea	Vigna unguiculata	Rongi	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Kharif Legume with high protein	Fodder	Privaate Suppliers	Farmers

Format-	4 : Weeds												
1	2	3	4	5	6	7	8	3	9	10	11	12	13
						Landscape/	Local	Status		Management			Community
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Habitat	Past	Present	Uses if any	options	Associated TK	Other details	Kn. Holders
1	Pig Weed	Amaranthus virdis	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	Chenopodium album	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 , Phosporous & potash	Annual feed & fermentation of Beverages	Farmers
3	Nut Grass	Cyprus rotundus	Dilla/Motha	Paddy,maize,sug arcane,vegetable		Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers
4	Carrot grass	Parthenum hysterophorus	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers
5	Bur Clover	Medicago denticulata	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
6	Canary Grass	Phalaris minor	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land	Farmers
7	Meadow Pea	Lathyrus aphaca	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers

8	Bang	Cannabis indica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Nilibuti	Ageratum conyzoides	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	#REF!	Farmers
10	Dub Grass	Cynodon dactylon	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
11	Wild oats	Avena fatua	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
12	Wild Rice	Echinochloa colonum	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
13	Jhonson Grass	Sorghum helepense	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
14	wild onion	Allium humaie	Jangli payas	Onion	Annual herb	Temprate/ sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers

Format-5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect /Animals	Scientific Name	Local Name	Habitat	Time / Season of Attack	Management mechanism	Associated TK	Other Details	Community /Knowledge Holder
Mango	Insects	Amritous a\tkinsoni	Tella	Field/orchard	Feb-April	Pestcide Prunning	Discourge HDP		
Mango	Insects	Drosicha magiferae	Mealey Bug	Orchard	Feb Onwards	Pesticide, Basin Making	Hand Picking		
Citus	Insects	Paapilio ledmoteus	Caterpillar	Orchard/Field	April- May & Aug Oct.	Pesticides, Other Cultural Methods	Smoking Bagging Dispose Off		
Citus	Insects	Euodocina fullonia	Sucking Moth	Orchard/Field	Maturity Stage	Pesticides Orchard Sanitization			
Guava	Insects	Bactrocera dorsalis	Fruit Fly	Orchard/Field	Maturity Stage	Pesticides, Fruit Fly trape			
Amla	Insects	Phyllanthus emblica	Gall Maker	Orchard/Field	Feb Onwards	Pesticides Prunning	Destroy infected Shoots		

Format 6: Mar	kets 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

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: P	eoplescape									
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/ ST/ General			

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:	Lands	scape											
	1		2	3	4	5	6	7	8	9	10	11	12
Major	Landsca	npes	Sub -	Features and approx.	Ownership	General flora	General fauna	User groups	Management	General uses	Associated	Other	Community
Agricultural land Pond Fallow land		Landscapes	area	Ownership	General nora	General launa	Osci groups	practices	General uses	TK	details	accessed	
Plains & Kandi areas		Plains	Hilly as wellas	Forest land,Private ,s tate 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 ,s tate lands,	Broad leaved and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also	-	Plantation and agriculture	-	-	-	
Shiw	valik area	as	Hills	Hills with gentle slopes	Forest land,Private ,s tate lands,	Broad leaved and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also	-	Plantation and agriculture	-	-	-

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

rommat-7. Waterscape	Format-9:	Waterscape
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1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape	Sub-type	Features and Approx. area	Ownership	General flora	Genreal fauna	Major Uses	User group	Management practices	General uses	Assocaited TK	Other details	Community accessed
Ponds			Forest land and Private land	Kamal, Baryan,	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	-	ı	ı	-	-
Bowlis			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	Public	ı	ı	ı	-	-

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 mountauin soil	Fine & coarse grain	ca,fe,n,si, etc	-	-	-	-	-
Red podozolic soil		fe,ca,fe,n,si	-	-	-	-	-

Format 11: Fruit Trees

1	2	3	4	6	5	7	8	9	10	11	12	13
Plant	Local Name	Scientific Name	Variety	Landscape /	Local	Status	Source of	Season of	Associated TK	Uses	Other Details	Community /Knowledge
1 mil	Local Ivalie	Scientific Ivame	v ar icey	Habitat	Past	Present	Seeds / Plants	fruiting	Associated 11	Oses	markt / own use	Holder
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	
Guava	Amrood	Psidium guajava	Local, Allahabadi, Safaida	plains lower hills	plenty	plenty	Nurseries	June- August		fruit	Marketing, own use	
Aonia	Ambla	Emblica officinalls Syn Phylianthus emblica	local selection NA-7	Plains mid hills	plenty	plenty	Nurseries local collection	Nov- Dec.		picking, fruit juices	Marketing, own use	
Ber	ber	Zizyphus mauritiana lamk	Gola Banarasi	Plains	plenty	plenty	local raised	July- August		fruit	Own use	
Jamun	Jamun	Syzygium cumini	local selection	plains	rare	rare	Nurseries, local raised	July- August		fruit	Own use	
Peach	Aaroo	Prunus persica (L) Batsch	July Elberta, quetta	plains mid hills	rare	plenty	Nurseries	June-July		fruit	Marketing, own use	

Karonda	gernay	Carissa carandas	local	plains/hills	rare	rare	Nurseries, wild	June-August	fruit	Marketing,own use	
Papaya	Papita	Carica papaya	local	plains	rare	Normal	Nurseries, locally raised	August- October	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/	Local	Status	Source of	Season of	Uses (usage)	Associated TK	Other details market/own	Community/ Know.
riant Type	Local Name	Scientific Ivame	variety	Habitat	Past	Present	plant/seeds	Fruiting	Uses (usage)	Associated 1 K	use	holder
Herbs	Dudlu	Taraxacum officinale		Temperate area	Rare	Rare	Root			N.A	N.A	Generally, held by community
Herbs	Tarad	Dioscorea belophylla		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Herbs	Jungli putna	Mentha arvensis		Lower shiwalik/Temp erate area	Abundant	Abundant	Root			N.A	N.A	Generally, held by community
Shrubs	brankad	Adhatoda vesica		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Shrubs	Drainkdu	Murraya koenigii		Sub-Tropical area	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	Dussa	Colebrookia oppositifolia		Lower shiwalik	Rare	Rare	Seed			N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	Euphorbia royleana		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Shrubs	Bhang	Canabis sativa		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community
Tree	Amla	Phyllanthus emblica		Lower shiwalik	Abundant	Abundant	Seed			N.A	N.A	Generally, held by community

Tree	Bair	Ziziphus xylocarpa	I	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Bheda	Terminalia bellerica	I	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Bill-Patre	Aegle mermelos		Sub-Tropical area	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Drankh	Melia azadirach	I	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Harad	Terminalia chebula	I	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Jaman	Syzygium cumini	I	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Karal	Bauhinia variegata	I	Lower shiwalik	Rare	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Khair	Acacia catechu	I	Lower shiwalik	Abundant	Normal	Seed		N.A	N.A	Generally, held by community
Tree	Kringal	Casia fistula	I	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Lusada	Cordia dichotoma	I	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
Tree	Mangoo	Mangifera indica	I	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Rumbal	Ficus racemosa	I	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community

Tree	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Normal	Seed		N.A	N.A	Generally, held by community
Tree	Trimbal	Ficus auriculata	Lower shiwalik	Abundant	Normal	Seed		N.A	N.A	Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Abundant	Normal	Seed		N.A	N.A	Generally, held by community
Tree	Amla	Amblica officinales	Lower shiwalik	Abundant	Abundant	Seed		N.A	N.A	Generally, held by community
Tree	Neem	Azadirecta indica	Lower shiwalik	Abundant	Rare	Seed		N.A	N.A	Generally, held by community
tree	Khair	Accacia catechu	Lower shiwalik	Abundant	Normal	Seed		N.A	N.A	Generally, held by community
Shrubs	Bhang	Cannabis sativa	Lower shiwalik	Abundant	Rare	Seed		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	kringal	Casia fistula	-	Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	Nerium oleander	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	Erythrina indica	-	Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community

Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local	status	Wild/ home-	Other uses	Associated TK	Other details	Community/ Know.
Frant Type	Local Name	Scientific Ivaine	Habitat	Past	Present	garden	(multi)	Associated 1 K	Other details	holder
Tree	Mangoo	Mangifera indica	Lower shiwalik	Abundant	Abundant	Wild/ home- garden	Own	Nil	Nil	Generally, held by community
Tree	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	Wild	Own	Nil	Nil	Generally, held by community
Tree	Chir	Pinus roxburhii	Lower shiwalik	Rare	Rare	Wild	Own	Nil	Nil	Generally, held by community
Tree	Jammun	Syzygium cumini	Lower shiwalik	Rare	Abundant	Wild	Own	Nil	Nil	Generally, held by community

Format	15: Domesti	cated Animals	5									
1	2	3	4	5	6	7	,	8	9	10	11	12
Animal		~	Breed (local/	_	Method of	Local	Status		Associated	Commercial	Other details including	Community
Туре	Local Name	Scientific Name	hybrid)	Features	keeping	Past	Present	Uses	TK	rearing	products and Services	Know.Holders
Cattle	Gau	Bos indicus	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
Came	Jersy Gau	Bos taurus	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
Buffalo	Manj	Bubalus bubalis	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
Horse	ghoda	Equus caballus	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
	Parrot	Psittaciformes	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
	Pigeon	Columbidae	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	canis familaries	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray

Cat	Billi	felis catus	Local	Grey /white color	Pet ,Stray	Abundant	Abundant	pet	Nil	No	Nil	All / stray
Rabbit	Khargosh	Oryctolagus cuniculus	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild
Pig	Suar	sus scrofa domesticus	Yorkshir e cross	white	Wild	few	Increased	Meat	Nil	Yes	Nil	Sikh /Chrisitians/SCc ommunity

Format 1	6: Culture F	isheries										
1	2	3	4	5	6	7	,	8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (Pond/Bheri/T	Local	status	Uses	Associated TK	TK Commercial Other deta	Other details	Community Know.
rish Type	Local Name	Scientific Ivanie	variety	reatures	alao)	Past	Present	Uses	Associated TK	Rearing	Other details	Holders

There is no culture Fisheries taken up in this panchayat

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

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

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	Loca	l status	Commercial /	Part collected	Associated TK	Other	Community Knowledge
Plant Type	Local Name	Scientific Name	нарц	нарцац	Past	Present	own use	Part conected	Associated 1K	details	Holder
Tree	Shisham	Dalbergia sisoo	Tree	Northern/ Sub- Tropical	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Khair	Acacia catechu	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	-
Tree	Amla	Emblica officinalis	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	Albizziz lebbeck	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Chir	Pinus roxburghii	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Resin	-	-
Tree	Lecunia	Leucaena lencocephala	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Simbal	Bombax cebia	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Kamila	Mallotus philippensis	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Krangal	Cassia fistula	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Ber	Ziziphus jujuba	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Tree	Plash	Butea monosperma	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-

Tree	Jamun	Syzygium cumini	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Santha	Dodonaea viscosa	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Amb	Mangifera indica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Tree	Kiker	Acacia nilotica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Bel	Aegle marmelos	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Leaves/ Fruit	-	-	-
Tree	kakoa	Flacourtia indica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Grass	Bamboo	Dendrocalamus strictus	Grass	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Sticks	-	-	-
Herbs	Bhang	Cannabis sativa	herbs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Leaves	-	-	-
Shrub	Jojra	Pupalia lappacea	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	ı	-	-	-
Shrub	Garna	Carissa spinarum	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Shrub	Panjphuli	Lantana camara	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	ı	-	-	-
Shrub	Gandila	Nerium indicum	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Flower	-	-	-
Shrub	Pansar	Wendlandia heynei	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	ı	-	-	-
Herbs	congress Grass	Parthenium hysterophrous	herbs	Northern/Sub- Tropical	Good	Moderate	_	-	-	-	-
Tree	Badh	Ficus religiosa	Tree	Northern/Sub- Tropical	Good	Moderate	_		-	-	-

Tree	Phulai	Acacia modesta	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Climber	Tarad	Dioscorea belophylla	Climber	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Roots			
Climber	Jungli bitter melon	Momordica charantia	Climber	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit			
Climber	Purple yam	Diascorea alata	Climber	Northern/Sub- Tropical	Good	Moderate	_				
Climber	Striped cucumber	Diplocyclos palmatus	Climber	Northern/Sub- Tropical	Good	Moderate	_				
Tree	Bhor	Ficus bengalensis	Tree	Northern/Sub- Tropical	Good	Moderate					
Tree	Dhaman	Grewia optiva	Tree	Northern/Sub- Tropical	Good	Moderate					

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance (economic, social, cultural etc.)	Status
1	Santha	Dodonaea viscosa	Shrub	Firewood	Good
2	Kanner/Lal Gandila	Nerium indicum	Shrub		Good
3	Daduni	Daduni Punica grantum		Live Hedge fencing	Good
4	Brenker	Adhatoda vasica	Shrub	-	Good
5	Bhang	Cannabis sativa	Shrub	Medicinal	Good
6	Aakh	Ipomea carnea	Shrub	Soil binder	Good
7	pansar	Wendlandia heynei	Shrub	Firewood	Good

Format 20: Aquatic Biodiversity

1	2	3	4	5		5	7	8	9	10
Local name	Scientific name	Variety	Features	Habitat	Local	Status	Uses	Associated TK	Other details	Community knowledge holder
Local name	Scientific flame	varicty	reatures	Парнас	Past	Present	OSCS	Associated TK	Other details	
Snail	Gastropoda		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	-	-	1	
Carp	Cyprinus carpio		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	-	-	1	
Broun trout	Salmo trutta		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	-	-	1	
Sago pondweed	Potamogeton pectinatus		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	-	-	-	

Format 21:	ormat 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							

Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5		6	7	8	9	10	11
Plant(herb,	Lacal Name	Saissadiffa Nassa	Vi-t-	Landscape/	Loca	l status	Associated TIV	T.	Doub word	Other details	c.knowledge
shrub,tree)	Local Name	Scientific Name	Variety	habitat	Past	Present	Associated TK	Uses	Part used	market/own use	holder
Tree	Amla	Emblica officinalis	Tree	Northern/Sub- Tropical	Good	Good		Medicinal	Bark/ Fruit	-	
Tree	Harad	Terminalia chebula	Tree	Northern/Sub- Tropical	Good	Good		Medicinal	Bark/ Fruit	-	
Tree	Behra	Terminalia bellirica	Tree	Northern/Sub- Tropical	Good	Good		Medicinal	Bark/ Fruit	-	
Tree	Jamun	Syzygium cumini	Tree	Northern/Sub- Tropical	Good	Good		Medicinal	Fruit /seeds	-	

ormat 23: `	Wild relatives	of Crops										
1	2	3	4	5		6	7	8	9	10		
Local	Scientific	Associated area	Landssons / Habitat		Local Status		Local Status		Part	Associated		Community / Know
Name	Name	Associated crop	Landscape / Habitat	Past	Present	(usage)	Used	TK	Other details	holder		

Format 24: Or	rnamental 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

	Format	25:	Fumigate	/ Chewing	Plants
ı	1 or mat	45.	rumigate	Chewing	1 lants

1	2	3	4	5	•	6		8	9	10	11
Plant	Local Name	Scientific Name	Voriety	Habitat	Local	status		Part used	Associated	Other details	Community
(herb,shrub,Tree)	Local Name	Scientific Name	Variety	нарцас	Past	Present	uses	rart used	TK	Other details	knowledge holder
Herb	Pudina	Mentha spp.		Homestead, agricultural land	Abudant	Abudant	Spice	Leaves	1	-	-
Herb	wild Tulsi	Ocimum sanctum		Moist soil	Abudant	Abudant	Medicinal	Leaves	1	-	-

1	2	3	2	1	5	6	7	8
Local Name	Scientific Name	Habitat	Local	Status	Other was if any	A and all The	A 4h d.4.:1	Community knowledge
Local Name	Scientific Name	нарцат	Past	Present	Other uses, if any	Associated Tk	Any other detail	holder
Chir	Pinus roxburghii	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Shisham	Dalbergia sisoo	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Ber	Ziziphus jujuba	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	Eucalyptus	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	Bombax ceiba	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tunu	Cidrela toona	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	Ayzgium cimini	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

1	2	3	4		5	6	7	8	9	10
DI 4 T	T I Ni	C	H-1-2-4	Local	Status	Parts Collected	Commercial Uses	Od. H.	Associated TK	Community/
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	(if any)	(if any)	Other Uses	Associated 1 K	Knowledge Holder

Format 27 B:	ormat 27 B: Coastal and Marine Fauna												
1	2	3	4		5	6	7	8	9	10			
Animal Type	Local Name	Local Status Pa		Parts collected		Other Uses	Associated TV	Community/					
Animal Type	Local Name	Scientific Name	Habitat	Past	Present	(if any)	(if any)	Other Uses	Associated TK	Knowledge Holder			

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

1	2	3	4	5	6	7	7	8	9	10	11
A : 1.T					Season when	Local status				Other	Community/
Animal Type	Local Name	Scientific Name	Habitat	Description	seen	Past	Present	uses if any	Ass. TK	details	Knowledge Holder
Wild Animal	Leopad	Panthera Pardus	Northern/ Sub-Tropical	-	Winter/ Summer	Good	Good	-	-	-	
Wild Animal	Squirrels	Sciuridae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Wild Animal	Indian Hare	lepus nigricollis	Northern/ Sub-Tropical	-	-	Good	Good	-	1	1	
Wild Animal	Monkey	Cercopithecidae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Wild Bird	Red jungle fowl	Gallus gallus	Northern/ Sub-Tropical	-	-	Good	Good	-	1	1	
Wild bird	Rose ringed parakeet	Psittaculidae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	1	
Wild Animal	Fox	Vulpes	Northern/ Sub-Tropical	-	-	Good	Good	-	-	1	
Wild Animal	Porcupine	Erethizon dorsatum	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	Grasshooper	Parallelus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	

wild insects	butterfly	Chorthippus brunneus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	bees	Apis mellifera	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	ants	Brachymyrmex patagonicus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
wild insects	Bumble bee	Bombus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Amphibia	Frog	Euphlyctis cyanophlyctis	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	
Reptiles	Snake	Serpentes	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	

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

Note: Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and 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.)					

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