# People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Samwan
Taluk: Samwan
District: Jammu
State/UT: J&K
Geographical Area of the Panchayat Samiti: 1435.83 Hect
Population under the Panchayat Samiti: 3275
Male: 1662 Female: 1613
Habitat and Topography: Plane (10%) / Kandi (90%)
Climate (Rainfall, Temperature and weather patterns): Moderate
Land Use (Nine fold classification available with village records) : Agriculture , Vegetable , Farming
Date, Month and Year of PBR Preparation: 19-02-2021
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 than one third to be women and not less than 18% belonging to SC/ST)	body; not le
1)Name of the Chairperson:Tirth Ram	
Age: 62 years	
Gender: Male	
Address: R/o.Samwan, Teh Khour Jammu 181204	
Area of specialization: Ex serviceman	
2) Name: Sheelo Devi	
Age: 363	
Gender: Female	
Address: R/o.Samwan, Teh Khour Jammu 181204	
Area of specialization: Housewife	
3)Name: Sindo devi	
Age: 66	
Gender: Female	
Address: R/o.Samwan, Teh Khour Jammu 181204	
Area of specialization: Housewife	
4)Name: Pritam Lal	
Age:40	
Gender: Male	
Address: R/o.Panjtoot, Teh Khour Jammu 181204	
Area of specialization: Labourer	
5)Name: Gopal Dass	
Age: 64 Years	
Gender:Male	
Address: R/o.Panjtoot, Teh Khour Jammu 181204	
Area of specialization: Ex Serviceman	
6)Name: Bishamber Dass	
Age: 70 Yr.	
Gender: Male	
Address: R/o.Chaprial, Teh Khour Jammu 181204	
Area of specialization: Labourer	
7)Name: Des Raj (Present) Secretary - VLW	
Age:49 Year	
Gender: Male	

Address: R/o.Dhakhar, Teh Khour Jammu 181204

Area of specialization: Ex Secretary

List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within jurisdiction of the village
1) Name:
Age: 62
Gender: Male
Address: R/o.Samwan, Teh Khour Jammu 181204
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

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: Ashwani kumar
Age: 35 Yr.
Gender: Male
Address: Panjtoot
Area of specialization: FOREST
2) Name of the Chairperson:
Age:45
Gender:Male
Address:Samwan
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:

Det ind	ails of schools, colleges, departments, universities, government institutions, non-governmental organization and ividuals involved in the preparation of the PBR
1)	Contact Person:
	Name and AddressGopal Dass & Samwan
2)	Contact Person:
	Name and Address:Bishamber Dass & Samwan
3)	Contact Person:
She	elo devi & Samwan
4)	Contact Person:
	Name and Address:
You	u may add names of more institutions/NGO/Individuals etc, if necessary

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
Nil	Nil	Nil	Nil	Nil	Nil

#### Format 1 Crop Plants

tice Oryza sativa				Past			Uses		Other details	Cropping Season	Source of Seeds / Plants	Commununity / Known. Holder
Rice Oryza sativa		1			Present						Tiants	Known, Holder
dice Oryza sanva	Dhan/ Munji	B-370(Fine & Long duration)	Planes / Low laying	Rare	Rare	Basmati 370 is world wise known for its aroma	Food & Fodder	Provides energy fragrance and		Kharif (May to	Farmers / Department/	E
	Dhan/ Munji	Basmati 1121/(Coarse K39 K434 Rattana & Long duration	Areas	Rare	Rare	Medium tall Coarse Grains	rood & rodder	taste	-	October)	Privaate Suppliers	Farmers
		Dekalb double		Rare	Plenty	Tall, high yielding with yellow in colour)						
		K-517		Plenty	Rare							
laize Zea mays	Maka	Ujala	Sub tropical / Upland	Normal	Plenty	Average tall with yellow in colour	Food & Fodder	Provides energy	-	Kharif (May to October)	Farmers / Department/ Privaate Suppliers	Farmers
		K-612		Plenty	Normal							
		Pro Agro-4794		Plenty Norma	Normal	Tall, high yielding with yellow in colour)						
		PDM-54		Normal	Rare	Medium	Food	Source of Vegetable Protein				
oong Vigna radiata	Moong	SML-668	Hot / Humid of Sub tropical region	Normal	Plenty	High yielding Variety			Also suitable for green Manuring	Summer/Kharif	Farmers / Department/ Privaate Suppliers	Farmers
		IPM-0203		Normal	Rare	Excessive vegetative growth						
fash Viona munoo	Mhaa	PU-19	Warm / Humid of Sub	Normal	Normal	High vielding Variety	Food	Source of Vegetable Protein	_	Summer/K harif	Farmers / Department/	Farmers
7,8,74,7,111,8		Utra	tropical region	Normal	Normal	riigii yioliiiiig viiilooy	7004	Source of Vegetable Floren		Summer The Control of	Privaate Suppliers	T MINUTE
laira Pennisetum americanum	Baira	Local Variety	Warm / Humid climate	Normal	Normal	Tall & low Yielding variety	Food & Fodder	Source of Energy	_	Kharif (May to	Farmers / Department/	Farmers
1 conscium umericanum	Dajia	MHB-110	under Sandy loam Soil	Normal	Normal	Tan & low 1 reiding valiety	rood & rouder	Source of Energy	<u>-</u>	October)	Privaate Suppliers	1 dinicis
	g Vigna radiata Vigna mungo	g Vigna radiata Moong  Vigna mungo Mhaa	Dekalb double	Dekalb double  K-517  Zea mays  Maka  Ujala  Sub tropical / Upland  K-612  Pro Agro-4794  PDM-54  PDM-54  PDM-0203  Full PM-0203  PU-19  Warm / Humid of Subtropical region  Utra  Utra  Warm / Humid of Subtropical region  Utra  Warm / Humid of Subtropical region	Dekalb double  K-517  Plenty  K-517  Plenty  Normal  K-612  Pro Agro-4794  Plenty  PDM-54  PDM-54  Normal  IPM-0203  PU-19  Warm / Humid of Subtropical region  Normal  Normal  PU-19  Warm / Humid of Subtropical region  Normal  Normal  Normal  Pu-19  Warm / Humid of Subtropical region  Normal  Normal  Normal  Normal  Normal  Normal	Dekalb double  K-517  Plenty Rare  Plenty Rare  Plenty Normal  Pro Agro-4794  Plenty Normal  Pro Agro-4794  Plenty Normal  Plenty Normal  PDM-54  Plenty Normal  PDM-54  Plenty Normal  Rare  Plenty Normal  Plenty Normal  PDM-54  Pull Humid of Subtropical region Normal  Pull Humid of Subtropical region Normal  Pull Pull Humid of Subtropical region Normal  Pull Pull Pull Normal  Pull Pull Pull Normal  Pull Pull Pull Pull Pull Pull Pull Pu	Dekalb double  K-517  Plenty Rare  Plenty Rare  Average tall with yellow in colour)  Average tall with yellow in colour  Plenty Normal  Plenty High yielding with yellow in colour  Normal  Plenty Normal  Normal  Normal  Plenty High yielding Variety  Purplemanungo  Normal  Purplemanungo  Normal  Purplemanungo  Normal  Purplemanungo  Normal Normal  Normal Normal  Normal Normal  Normal Normal  Normal  Normal Normal  Normal	Dekalb double   Rare   Plenty   Tall, high yielding with yellow in colour)	Dekalb double   Rare   Plenty   Tall, high yielding with yellow in colour)	Dekath double   Rare   Plenty   Tall, high yielding with yellow in colors)	Dekalb double  K.517  Plenty Plenty Flare Plenty Plenty Average full with yellow in colocur) Plenty Normal  Plenty Plenty Normal  Plenty Plenty Normal  Plenty Plenty Normal  Plenty Plenty Plenty Normal  Plenty Plenty Plenty Normal  Plenty	Penty Penty   Penty

6	Wheat	Triticum aestivum	Kanak	HD2967,PBW644	Cool Climate during early part of its growth	Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Bread making	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
8	Chick-pea	Cicer arietinum	Chana	GNG-469/C 235	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
9	Peas	Pisum sativum	Matar	Rachna	Cool & dry	Normal	Normal	Early maturing &High yielding	Food	Source of Protein/Energy	Used as Vegetable	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
10	Onion	Allium cepa	Gamd	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Abundant	Abundant	Bulbs Cash Crop	Vegetab gles	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Privaate Suppliers	
11	Mustard	Brassica juncea	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
12	Gobhi Sarson	Brassica napus	Gobhi Saria	GSL-1,DGS-1 ,Local	Cool & dry	Normal	Abundant	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy i,calciam,copper,potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
14	Potato	Solamum tuberosum	Aalo	Kufri Sindhuri,Kufri Badsha, local	Potato is an herbaceous annual,requirs cool weather,mostly rainfed conditions	Abundant	Abundant	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable,chips etc	-	High carbohydrate,provide high n energy value	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
15	Toria	Brassica j. rape cv.Toria	Toria	RSPT-1,RSPT-2,Local var.	Cool & dry with bright sunshine	Normal	Normal	Short durationAnnual Herb	oil for prepration of Food	Source of energy i,calciam,copper,potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Privaate Suppliers	Farmers
16	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
18	Chilli	Capsicum spp.	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,grows well warm humid conditions	Abundant	Abundant	Pungency and flavor	Used as spice ,medicianal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department/ Privaate Suppliers	Farmers
19	Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Abundant	Abundant	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable ,salad, soup,Souce	rich source of Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
20	Okra	Abelmoschus esculentus	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropicall vegetablHot and humid climate	Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers,protein and carbohydratesry	Summer/Kharif	Farmers / Department/ Privaate Suppliers	Farmers
21	Cucumber	Cucumis sativus	Kheera	Kheera local,JL	Grows in all climatoic conditions,Tropical,Sub tropical &temprate	Abundant	Abundant	Limbing annual bearing elongated thick cylendrical fruit	Mainly used as salad	-	It also used asantipyretic and causing cooling effect	Summer/Kharif	Farmers / Department/ Privaate Suppliers	Farmers
22	Bottle gourd	Lagenaria siceraria	Lokki	PSPL/Punjab Long	Summer &rainy season crop	Abundant	Abundant	Vines vigrous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/kharif	Farmers / Department/ Privaate Suppliers	Farmers
23	Bitter gourd	Momordica charantia	karela	Pusa Domausmi/Kundan	Warm and Humid climate	Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maitaining low suger level	Summer/kharif	Farmers / Department/ Privaate Suppliers	Farmers
24	Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/loamy soil	Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein,VitamineB1,B2 <b 6 and Maganese</b 	Summer season	Farmers / Department/ Privaate Suppliers	Farmers

25	Cauliflower	Brassica oleracae var.botrytis	Fol gobi	Pusa snow ball,Pusa Katki,local Girja	Both sub tropical &intermediate	Abundant	Abundant	White and tender head ,curdformed from shortened flower part	Curd Mainly used as vegetable	-	Also good sourse of protein,carbohydrate,phas phorus& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
26	Cabbage	Brassica oleracae var.capitata	Band gobi	Golden Acre,Pride of India,Green Flesh	Both sub tropical &intermediate	Abundant	Abundant	Round head withlight to dark green colour	Head Mainly used as vegetable,salad	-	Also good sourse of protein,carbohydrate,phas phorus& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
27	Knol khol	Brassica oleracae var.gongyloides	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
28	Spanich	Spinacea oleracea	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils		Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	-	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
29	Radish	Raphanus sativus	Mulli	Japanes White ,Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils	Abundant	Abundant	Tender green leaves &roots used as Vegetable	Modified Roots are used as Vegetabke & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
30	Carrot	Daucus carota	Gajer	Pusa Kesar,local	Cool &moist climate/ sub tropical& intermedite	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.		Good source of carotene, , lutein, and zeaxanthin.Vit A,C,B6,Folic acid	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
31	Turnip	Brassica rapa	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&intermedite	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable ,Salad,.	-	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

#### Format 2: Fruit Plants

	Format 2. Fruit Flants													
1	2	3	4	5		6	7	8	9	10	11	12		
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat		Status	Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market /	Community / Knowledge holder		
					Past	Present	Seeds/1 lanes	Truiting	1.K		own use	Knowledge noider		
Mango	Mangifera indica	Aam	Desi, Dusheri, Malta	Alternate Bearing	Plenty	Plenty	Nurseries	Jun-Aug		Fruit, Pickle, Preserves	Marketing, Own Use	Nil		
Citrus Fruit	Citrus spp.	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Tree, Regular Bearing	Plenty	Plenty	Nurseries	Through Out Year		Fruit, Pickle, Squashes etc	Marketing, Own Use			
Guava	Psidium guajava	Amrood	Local, L49 etc.	Tree, Regular Bearing	Plenty	Plenty	Nurseries	Jul - Aug		Fruit	Marketing, Own Use			
Aonla	Phyllanthus emblica	Ambla	Local Selection, NA-7	Tree, Regular Bearing	Plenty	Plenty	Nurseries, Local Collections	Nov Dec		Pickling Preserve etc	Marketing, Own Use			
Ber	Ziziphus mauritiana lamk	Ber	Gola, Varanasi	Tree, Regular Bearing	Plenty	Plenty	Local	Jul - Aug		Fruit	Own Use			
Jamun	Syzygium cumini	Jamun	Local Selection	Tree, Regular Bearing	Rare	Rare	Nurseries, Local Raised	Jul - Aug		Fruit	Own Use			

# Format 03 Fodder Crop/ Species

1	2	3	4	5		6	7	8	9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Habit	Area (Approx.)Rabi/	Landscape/	Local	Status	Part Used	Associated TK	Other details	Sources of Seeds and	
5.110.	Tiant	Scientific Name	Local Name	Парц	Kharif	Habitat	Past	Present	Tart Oseu	Associated TK	(mode of use)	Plants	Holders
1	Barseem	Trifolium alexandrianen	Chhatala	Annual	8030	Sub Humid & moderately cool	Abundant	Abundant	Entire Plant	Nutritious & palatable fodder, Source of energy for animals	Fodder	Farmers / Department/	Farmers
2	Oats	Avena spp.	Javi	Annual	8030	Cool & moist climate	Abundant	Abundant	Above ground part of plant	Nutritious & palatable fodder,	Fodder	Privaate Suppliers	Farmers
3	Sorghum	Sorghum spp.	cherri	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Fodder	Farmers / Department/	Farmers
4	Maize	Zea mays	Makki	Annual	6840	Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Food & fodder	Privaate Suppliers	Farmers
5	Bajra	Penniselium americanum	Bajra	Annual	6840	Warm & humid	Abundant	Normal	Above ground part of plant	Source of energy	Food & fodder	Farmers / Department/	Farmers
6	Cowpea	Vigna unguiculata	Pongi	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Kharif Legume with high protein	Fodder	Privaate Suppliers	Farmers

# Format 04 Weeds

1	2	3	4	5	6	7	8	3	9	10	11	12	13	
G 31		G 1 10 37			** **	Landscape/	Local	Status	YY 10	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,sugarcane,ve getable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers	
4	Barnyard Grass	Echinochloa crusgalli	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers	
5	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	
6	Bur Clover	Medicago denticulata	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,vegetabl e & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers	
7	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	
8	Meadow Pea	Lathyrus aphaca	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers	
9	Canada Thistle	Cirsuim arvense	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers	
10	Bang	Cannabis indica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers	
11	Nilibuti	Ageraitum spp.	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers	

12	Dub Grass	Cynodon dactylon	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
13	Wild oats	Avne fatua	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
14	Wild Rice	Echinochloa colonum	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
15	Jhonson Grass	Sorghum halpense	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
3	wild onion	Allium humaie	Jangli payas	Onion	Annual herb	Temprate/ sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers

### Format-5

# **Pest of Crops**

Serial No.	PBR ID	Host	Animal	Scientific name	Local Name	Landscape/ Habitat	Time Attack	Management	Associated TK	Other Details	Community	Images
		Mango	Insects	Amritous atkinsoni	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				
		Litchi	Insects	Gatesclarkeana erotias	Fruit Nut birer	Orchard/Field	At pea stage	Pesticides, Basin Making Ploughing				
		Guava	Insects	Bactrocera dorsalis	Fruit Fly	Orchard/Field	Maturity Stage	Pesticides, Fruit Fly trape				
		Aonla	Insects	Phyllanthus emblica	Gall Maker	Orchard/Field	Feb Onwards	Pesticides Prunning	Destroy infected Shoots			

# 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		
	THERE IS NO ORGANISED MARKET IN THE MUNICIPALITY FOR ANY OF THE SPECIES OF ANIMALS LISTED IN FORMAT 15									

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, OBC, OC, Population: 2523	894&Agriculture	Animal Husbandry	Agri landscape	Water	Satsifying different needs water	Satisfied	Mix	Average	Average	894

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 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
Major	r Landsca <sub>l</sub>	oes	Sub -	Features and	Ownershin	General flora	General	User	Management	General uses	Associated TK	Other	Community
ricultural land	Pond	Fallow Land	Landscapes	approx. Area	•	General nora	fauna	groups	practices	General uses	Associated TK	details	accessed
Plains & Kandi areas		reas	Plains	hilly as wellas	land,Private,state	Broad leaved mainly	such as porcupine, jackal	Public,as well as pvt,and Govt also		Plantation and agriculture			
ol: II		Hillocks	plain terrain with gentle slope	land,Private ,state	Broad leaved	such as porcupine, jackal	Public,as well as pvt,and Govt also		Plantation and agriculture				
Shiwalik areas		;	Hills	Hills with gentle slopes	land,Private,state	Broad leaved	such as porcupine, jackal	Public, as well as pvt, and Govt also		Plantation and agriculture			
					,								
	ricultural land Plains	ricultural Pond  Plains & Kandi an	Plains & Kandi areas	Major Landscapes  ricultural land  Pond Fallow Land  Plains & Kandi areas  Plains  Hillocks	Major Landscapes  ricultural land Pond Fallow Land  Plains & Kandi areas Plains hilly as wellas  Hillocks plain terrain with gentle slope  Shiwalik areas Hills Hills with gentle	Sub - Landscapes   Sub - Landscapes   Features and approx. Area   Ownership	Major Landscapes   Sub - Landscapes   Features and approx. Area   Ownership   General flora	Major Landscapes   Sub - Landscapes   Features and approx. Area   Ownership   General flora   General fauna	Major Landscapes   Sub - Landscapes   Features and approx. Area   Ownership   General flora   General flora	Major Landscapes   Sub-Landscapes   Features and approx. Area   Ownership   General flora   General fauna   User groups   Management practices	Major Landscapes   Sub-Landscapes   Features and land   Pond   Plains   Kandi areas   Plains   Hillocks   Plains   Hills   Hills with gentle slope   Shiwalik areas   Sub-Landscapes   Features and approx. Area   Ownership   General flora   Shownership   General flora   General flora   Shownership   General uses   Domestic animals, wildlife such as porcupine, jackal such as	Major Landscapes   Sub - Landscapes   Features and approx. Area   Ownership   General flora   General flora	Major Landscapes   Sub - Lands

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

### Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Ponds			Forest land and Private land	kamal,Baryan,	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Tube well			Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Dug wells			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Canals			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Hand pumps			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					

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

# Format 10 Soil Type Block Samwan Panchayat Samwan (District Jammu)

s	.No.	Soil	Туре	Colour	Features	Soil management	Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
	1	Sandy Loam	Туре В	Soft Dark	Large particle size,Water drains Rapedily	Add compost,humus, Green Manuring, Decomposed manure etc improves soil quality for better plant growth	Beans, Tomato, Potato, Cucumber, onion, eggplants, carrot, Spinach etc.	Succulants like cacti, Lambs ear, etc.	-	Genrally not suitable for plants which need lot of water
	2	Clay Loam	Type A	Light yellow to raddish colour	Small particles size,Texture dense and compact, retains water and nutrition	Provide good drainage, add organic manure in the form of compost or humus	Plants/Crop Suitable	Ornamental Plants/ grasses, plants with evergreen leaves,colourful Berries	-	Soil is good for wild varieties of crops, however drainage is a problem

#### Format 11 INFORMATION IN RESPECT OF HORTICULTURE SECTOR OF PEOPLE'S BIODIVERSITYS REGISTER (PBR) 2 4 5 6 7 8 9 10 12 13 3 11 **Local Status** Landscape / Source of Plants Seasons of Others Details Community / Associated **Plants** Scientific Name Local Name Variety Habit Uses (Usages) Habitat Fruiting TK Market / Own Use / Seeds Know Holder Past Present Marketing, Own Use Desi, Dusheri, Fruit, Pickle, Mango Mangifera indica Aam Alternate Bearing Plains Plenty Plenty Nurseries Jun-Aug Malta Preserves Khatti, Galgal, Through Out Year Local Selection, Fruit, Pickle, Marketing, Own Citrus Fruit Nimbu, Santra, Tree, Regular Bearing Plains, mid hills Plenty Plenty Citrus spp. Nurseries Kagzi Lime etc. Squashes etc Use Kinnoo etc.

Litchi	Litchi chinensis	Litchi	Culcatta, Dehradun	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing	
Guava	Psidium guajava	Amrood	Local, L49 etc.	Tree, Regular Bearing	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
Grapes	Vitis vinifera	Anjoor	Local Dakh, Perlette	Vine, Regular Bearing	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug	Fruit			
Aonla	Phyllanthus emblica	Ambla	Local Selection, NA-7	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov Dec	Pickling Preserve etc		Marketing, Own Use	
Ber	Ziziphus mauritiana lamk	Ber	Gola, Varanasi	Tree, Regular Bearing	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Jamun	Syzygium cumini	Jamun	Local Selection	Tree, Regular Bearing	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	
Pomegranate	Punica granatum	Anaar, Druni	Ganesh, Kandhari, Local	Tree, Regular Bearing, Shrub	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Pear	Pyrus spp.	Nakh	Pathar Nakh, China Pear	Tree, Regular Bearing	Plains, mid hills	Rare	Rare	Nurseries	Aug - Sep	Fruit		Own Use	
		•		,							'	1	

Peach	Prunus persica	Aaroo	July Elberta, Quetta	Tree, Regular Bearing	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit	Marketing, Own Use
Strawberry	Fragaria ananassa	Strawberry	Chandlar	Runner, Annual	Plains, mid hills	Rare	Plenty	Nurseries	Mar - Apr	Fruit	Marketing
Karonda	Carissa carandas	Garnay	Local	Shrub	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit	Marketing, Own Use
Papaya	Carica papaya	Papita	Local	Tree	Plains	Rare	Plenty	Nurseries, Localy Raised	Aug - Oct	Fruit	Own Use

#### Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.) 2 3 5 6 8 12 1 4 10 11 Local status Source of Other details Variety Landscape/ Habitat Associated TK Community/ Know. Plant Type **Local Name** Scientific Name Uses (usage) Part used market/own plant/seeds **Past** Present Generally, held by Herbs Dudlu Taraxacum officinale Temperate area Root Rare Rare nil Leaves N.A N.A community Generally, held by Herbs Tarad Dioscorea belophylla Lower shiwalik Seed Abundant Abundant nil Root N.A N.A community Lower Generally, held by Mentha arvensis Abundant Herbs Jungli putna shiwalik/Temperate Root Abundant nil Leaves N.A N.A community area Generally, held by Shrubs Trimuru Zanthoxylum aurmatum Lower shiwalik Seed Rare Fruit N.A N.A Rare nil community Generally, held by Shrubs brankad Adhatoda vesica Lower shiwalik Seed Abundant Abundant nil N.A N.A community Generally, held by Murraya koenigii Sub-Tropical area Shrubs Drainkdu Seed Rare Abundant nil Fruit N.A N.A community Generally, held by Colebrookia oppositifolia Lower shiwalik Shrubs Dussa Seed Rare Rare nil Flower N.A N.A community Generally, held by Thor/Shuu Abundant Shrubs Euphorbia royleana Lower shiwalik Seed Abundant nil Leaves N.A N.A community Generally, held by Shrubs Lower shiwalik N.A N.A Bareyan Acorus calamus Seed Rare Rare nil Leaves community Generally, held by Shrubs Bhang Canabis sativia Lower shiwalik Seed Abundant Abundant nil N.A N.A community Generally, held by Tree Amla Phyllanthus emblica Lower shiwalik Seed Abundant Abundant nil Leaves/Fruit N.A N.A community Generally, held by Tree Bair Ziziphus xylocarpa Lower shiwalik Seed Abundant Abundant nil Stem N.A N.A community

Tree	Bheda	Terminalia bellerica	Lower shiwalik	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Bill-Patre	Aegle mermelos	Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	Melia azadirach	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Harad	Terminalia chebula	Lower shiwalik	Seed	Abundant	Abundant	Good for digestion	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Jaman	Syzygium cumini	Lower shiwalik	Seed	Abundant	Abundant	maintains sugar level in human body	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Kakad-Singhi	Pistacia khinjuk	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Karal	Bauhinia variegata	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Flower	N.A	N.A	Generally, held by community
Tree	Khair	Acacia catechu	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Kringal	Casia fistula	Lower shiwalik	Seed	Abundant	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Lusada	Cordia dichotoma	Lower shiwalik	Seed	Rare	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mango	Mangifera indica	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Retha	Sapindus mukorossii	Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	Ficus racemosa	Lower shiwalik	Seed	Rare	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Sree	Albizia lebbeck	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Trimbal	Ficus auriculata	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community

Tree	Tuni	Toona ciliata	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Arjun	Terminalia arjuna	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	Azadirecta indica	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
tree	Khair	Accacia catechu	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Shrubs	Bhang	Cannabis sativa	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community

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

# Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ Know. holder
Tree	Krangal	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	Bottle brush	Callistemom citrirus		Seed	Non-Commercial	NA	NA	NA	Genrally 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 Past	status Present	Wild/ home- garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
Trees	Kiker	Acacia nilotica	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Mangoo	Mangifera indica	Lower shiwalik	Abundant	Abundant	Wild/ home- garden	own	nil	nil	Generally, held by community
Trees	Safeda	Eucalyptus spp.	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	nil	Generally, held by community
Trees	Sree	Albizia lebbeck	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Popular	Populus ciliata	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	chir	Pinus roxburghii	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Jammun	Syzygium cumini	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community

#### FORMAT15: DOMESTICATED ANIMALS

Animal Type	Local Name	Scientific Name	Breed (local/Hybrid)	Features	Method of keeping	Loca	ıl Status	Uses	Associated TK	Commercial rearing	Other Detail	Community know holders
						Past	Present					
	Gau	Bos indicus	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
Cattle	Jersy Gau	Bos taurus	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
	Amrecan Gau	Bos taurus	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
D CC 1	Manj	Bubalus bubalis	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
Buffalo	Punjabi Mais	Bubalus bubalis	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda	Equus caballus	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
Mule	khacchar	E.assinus xE caballus	Local	Black	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
	Kukkar	Galus domesticus	Local	Enriched meat flavor	Backyard	Abundant	Decrease	Egg ,meat	Nil	No	Egg ,meat	All
	Farmi Kukkar	Galus domesticus	Chabro	good egger	Backyard	few	Increased	Egg,meat	Nil	No	Egg ,meat	All
Poultry	Broiler	Galus domesticus	Hybrid	white color, fast growing	deep litter	few	Increased	meat	Nil	Yes	Meat	All
Founty	Chakore	Alectoris chukar	Local	black and white stripes ,beak is short, strong, and orange in color	Backyard	few	Decrease	Egg,meat	Nil	Yes	Egg, Meat	All
	Parrot	Psittaciformes spp.	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
	Pigeon	Columbidae livia	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	Yorkshire cross	white	Domesticated	few	Increased	Meat	Nil	Yes	Nil	Sikh /Chrisitians/SCcomm unity

	Format 16: Culture Fisheries													
1	2	3	4	5	6		7	8	9	10	11	12		
Eigh Tyme	Local mama		Variety	T	Waterscape	Loc	cal status	<b>I</b> Iaaa	Associated TK	Commercial rearing	Other deeteils	Community Know.		
Fish Type	Locai name	Scientific Name	variety	Features	(Pond/bheri/talao)	Past	Present	Uses	Associated 1 K	Commercial rearing	Other deatails	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.

# Format 17: Markets / Fairs for Domesticated Animals, Medicinal Plants and other products

1	2	3	4	5	6	7	8	9
Name of the Weekly Market / Fair	Location	Weekly / Fortnightly & Others Bi-annual / Annual	Day held	Month incase of bi-annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

# WILD BIODIVERSITY

# FORMAT 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc

1	2	3	4	5		6	7	8	9	10	11
Disease Trans	Land Name	S	TT - 1.24	H-1:4-4	Lo	cal status	Commercial/	Doub college	A	045	Community
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	own use	Part collected	Associated TK	Other details	Knowledge 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	Albizia 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	Arjun	Terminalia arjuna	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	1	-	-
Tree	Jamun	Syzygium cumini	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	ı	-	-
Tree	Santha	Dodonaea viscosa	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	ı	-	-
Tree	Amb	Mangifera indica	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Fruit	-	-	-
Tree	Kiker	Acacia nilotoca	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Sagwan	Tectona grandis	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	1	-	-
Tree	Safeda	Eucalyptus spp.	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	ı	-	-
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	-	-	-
	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	-	-	-	-
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	1	-	-	-
Shrub	Gandila	Nerium indicum	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Flower	-	-	-
Shrub	Pansar	Wemdlandia heynei	Shrubs	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	ı	-	-	ı
Herbs	congress Grass	Parthenium hysterophrous	herbs	Northern/Sub- Tropical	Good	Moderate	-	ı	-	-	-
Tree	Badh	Ficus benghalensis	Tree	Northern/Sub- Tropical	Good	Moderate					
Tree	Peepal	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 gourd	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	_			

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

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

# Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local sta	itus	Uses	Associated TK	Other details	Community/ Knowledge
Local Name	Scientific Ivallie	variety	reatures	Парна	Past	Present	Uses	Associated 1 K	Other details	Holders
Kayehri	Labeo dero	Local	Slender body covered with cycloid scales, head is over, silvery grey with rounded abdomen. Have long Barbels, Scaleless body.	Manawar Tawi	Available	Available	Own & Commercial use	Used as food as source of protein	-	15%
Seeng	Mystus seengala	Local	Chisel shaped head, Cat fish	Manawar Tawi	Available	Available	Own & Commercial use	Used as food as source of protein	-	15%
Sol	Channa marulius	Local	Snakehead fish, Air Breathing Fish	Manawar Tawi	Available	Available	Own & Commercial use	Used as food as source of protein	-	15%
Mooree	Channa orientalis	Local	Snakehead fish, Air Breathing Fish Have long Barbels, Scaleless body	Manawar Tawi	Available	Available	Own & Commercial use	Used as food as source of protein	-	15%
Bharata	Labeo dyocheilus	Local	Chisel shaped head, Cat fish	Manawar Tawi	Available	Available	Own & Commercial use	Used as food as source of protein	-	15%
Rohu	Labeo rohita	Indian Major Carp	Large Silver coloured fish, arched head	Manawar Tawi	Available	Available	Own & Commercial use	Used as food as source of protein	-	15%

# Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6						
S. No.	Local Name	Scientific Name	Variety	Importance	Trends						
	No Aquatic weed found in this panchayat										

## **Format 22: Wild Plants of Medicinal Importance**

1	2	3	4	5	6	7	8	9	10	11
Plant	Local Name	Scientific Name	Variety	Landscape/Habitat	Local S		Uses (usego)	Part used	Other details	Community/ Knowledge
(Herb,Shrub,Tree)	Local Name	Scientific Ivame	variety	Lanuscape/Habitat	Past	Present	Uses (usage)	rart useu	market/own use	Holder
Tree	Arjun	Terminalia arjuna	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark	-	-
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	Sukchain	Pongamia pinnata	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark	-	-
Tree	Jamun	Syzygium cumini	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Fruit /seeds	-	-

## Format 23: Wild relatives of Crops

1	2	3	4	5		6	7	8	9	10
Local Name	Caiantifia Nama	Associated area	Landscape/	Local	Status	Ugos (ugoso)	Part Used	Associated TK	Other details	Community/
Local Name	Scientific Name	Associated crop	Habitat	Past	Present	Uses (usage)	Tart Oscu	TK	Other details	Know holder

**Format 24: Ornamental Plants** 

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/Non- Commercial Uses	Associated TK	Any other Detail	Community /Knowledge Holder
Gandila	Nerium indicum	Shrub	Northern/ Sub-Tropical	-	-	-	-
Panjtara	Tara spinosa	Shrub	Northern/ Sub-Tropical	-	-	-	-
Bougainvillea	Bougainvillea glabra	Shrub	Northern/ Sub-Tropical	-	1	-	-
Gulmohar	Delonix regia	Tree	Northern/ Sub-Tropical	-	-	-	-

# Format 25:Fumigate/Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
Plant	Local Name	Scientific Name	Variaty	Habitat	Local S	Status	Usos (Usogo)	Dawt used	Associated TK	Other details(mode of	Community /Knowledge
(Herb,Shrub, Tree)	Local Name	Scientific Name	Variety	парцац	Past	Present	Uses (Usage)	rart useu	Associated 1 K	use)	holder
Herb	Pudina	Mentha spp.		Homestead, agricultural land	Abudant	abudant	Spice	leaves			
Tree	curry tree	Murraya koenigli		moist forest and agricultral land	Abudant	abudant	Spice	leaves			
Herb	wild Tulsi	Ocimum sanctum		Moist soil	Abudant	abudant	Medicinal	leaves			

#### Format26: Timber Plants

1	2	3	4	4	5	6	7	8
Local Name	Scientific Name	Habitat	Local	Status	Other Uses ,if any	Associated TK	Other Details	Community /Knowledge
Local Name	Scientific Name	Habitat	Past	Present	Other Oses ,ii any	Associated 1 K	Other Details	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	-	-
Sagwan	Tectona grandis	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	Eucalyptus spp.	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	Syzygium cumini	Northern/Sub- Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

#### Format27 A:Coastal and Marine Flora

1	2	3	4	:	5	6	7	8	9	10
Dlant Tyma	Local Name	Scientific	Habitat	Local	status	Part	Commercialuses(if	Other Uses   Associated TK	Community Knowledge	
Plant Type	Local Name	Name	Habitat	Past	Present	collected	any)	Other Uses	Associated 1 K	Holder
<u>l</u>										

#### Format 27 B: Coastal and Marine Fauna

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

### 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	Local	Status	Uses (if	Associated TK	Mode of Hunting,	Other details	Community/ Knowledge
Allillai Type	Local Name	Scientific Ivame	Habitat	Description	seen	Past	Present	any)	Associated TK	collecting (if any)	Other details	Holder
Wild Animal	Leopad	Panthera Pardus	Northern/ Sub- Tropical	-	Winter	Good	Good	-	-	-	-	
Wild Animal	Squirrels	Funambulus palmarum	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Boar	Sus scofra	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Indian Hare	lepus nigricollis	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Monkey	Cercopithecidae	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Wild Bird	Red jungle fowl	Gallus gallus	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Wild bird	Rose ringed parakeet	Psittaculidae	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Fox	Vulpes spp.	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
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 spp.	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Amphibia	Frog	Euphlyctis cyanophlyctis	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Reptiles	Tortoises	Testudines spp.	Northern/ Sub- Tropical	-	-	Good	Good	-	-	-	-	
Reptiles	Snake	Natrix spp.	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.)
1	kikar	Acacia nilotica	Broad leave	sub tropical	summer	Common
2	Mangoo	Mangifera indica	Broad leave	sub tropical	summer	Common
3	Safeda	Eucalyptus spp.	Broad leave	sub tropical	summer	Common
4	Sree	Albizia lebbeck	Broad leave	sub tropical	summer	Common
5	Talli	Dalbergia sissoo	Broad leave	sub tropical	summer	Common
7	Popular	Populus ciliata	Broad leave	sub tropical	summer	Common
9	Jammun	Syzygium cumini	Broad leave	sub tropical	summer	Common

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
S.No	Local Name	Scintific Name	Type of Animals( Mammals /Birds/Fish/Insects etc.)	Habitat	Remarks(Rare/common etc.
1	Cow	Bas taurus	Mammels	Terrestrial	Common
2	Buffalow	Babalus bubalis	Mammels	Terrestrial	Common
3	Sheep	Ovis aries	Mammels	Terrestrial	Common
4	Goat	Capra aegagrus	Mammels	Terrestrial	Common
5	Sparow	Passer domesticus	Birds	Terrestrial	Common
6	Crow	Corvius splendens	Birds	Terrestrial	Common
7	Parrot	Psittaciformes spp.	Birds	Terrestrial	Common
8	Peacock	Pavo cristatus	Birds	Terrestrial	Rare
9	Ant	Tapioma sessile	insects	Terrestrial	Common
10	Bee	Apis cerana indica	insects	Terrestrial	Common
11	Butterfly	Rhopalocera spp.	insects	Terrestrial	Common
12	Mosquto	Culex pipiens	insects	Terrestrial	Common
13	Cater pillar	Lepidoptera	Aquatic Animals	Terrestrial	Common

14	Fish		Aquatic Animals	Aquatic	Common
15	Frog	Anura spp.	Aquatic Animals	Aquatic	Common
16	Torotise	Testudinidae spp.	Aquatic Animals	Aquatic	Common
17	Crocodile	Crocodylinae spp.	Aquatic Animals	Aquatic	Rare

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