

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Kaink Jagir

Taluk/Tehsil: Akhnoor

District: Jammu

State/UT: Jammu And Kashmir

Geographical Area of the pancahayt Samiti: 550.78 hect.

Population Of the Panchayat samiti... Total 4000

Male= 2200

Female = 1800

Habitat and Topography: Plain & Kandi

Climate (Rainfall, Temperature and other weather patterns):

Land Use (Nine fold classification available with village records): Crops , Vegetables , Farming

Date, Month and Year of PBR preparation: 15-02-2021

Annexure 1**Detail of Biodiversity Management Committee (BMC) of the Panchayats of Block Akhnoor**

S.no	Block	Panchayat	Name of the Elected Chairperson	Name of the Members	Age	Gender	Address	Area of Specialization
1	AKHNOOR	Kaink Jagir	Kishori Lal s/o Yash Pal		45	Male	R/o Kaink Jagir	Sarpanch
				Jyoti Devi w/o Narendra kumar	38	Female	R/o Kaink Jagir	Housewife
				Sushma Gupta w/o Ravi Gupta	55	Female	R/o Kaink Jagir	Housewife
				Chanchala Devi w/o Bal Krishnan	52	Female	R/o Kaink Jagir	Panch
				Dharam Singh	80	Male	R/o Kaink Jagir	Retd. Subedar Army
				Ruhal Kumar s/o Rattan Lal	25	Male	R/o Kaink Jagir	M.A (student)
				Shammi Kumar s/o Balkrishan	33	Male	R/o Kaink Jagir	Social Service

Annexure 2**List of Vaid/Hakims and Traditional health care (human and livestock) practitioners residing and or using biological resources occurring with in the jurisdiction of the village**

S.no	Block	Panchayat	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
1	Akhnoor	Kaink Jagir	Surjeet Singh S/o Ram Singh	55Yrs	Male	R/o Kaink Jagir	Burns			
2	Akhnoor	Kaink Jagir	Dev Raj s/o Ganga Ram	60 Yrs	Male	R/o Kaink Jagir	Bone Fracture			

Annexure 3**List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries and forestry**

S.no	Block	Panchayat	Name	Age	Gender	Address	Area of Specialization		
							Agriculture	Fisheries	Forestry
1	Akhnoor	Kaink jagir	Madan Lal S/o Sarsa Ram	72 Yrs	Male	Kaink jagir	Agriculture	–	–

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR

Contact Person: Kishori Lal

Name and Address: R/o Kaink Jagir (Govt. Higher Sec School , Sohal)

Contact Person:Shammi Kumar

Name and Address: R/o Kaink Jagir (Govt. Higher Sec School , Sohal)

You may add names of more institutions/NGO/Individuals etc, if necessary

Annexure 5**Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing**

S.no	Name and address of the Person/Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared
Nil	Nil	Nil	Nil	Nil	Nil

End of Part I

Format 1 Crop Plants

S.No	Crop	Scientific Name	Local Name	Description of the variety	Landscape / Habitat	Approx. Area sown(ha)	Local status		Special features	Uses	Associated TK	Other details	Cropping Season	Source of Seeds / Plants	Community / Known. Holder
							Past	Present							
1	Rice	<i>Oryza sativa</i>	Dhan/ Munji	B-370(Fine & Long duration)	Planes / Low laying Areas		Normal	Normal	Basmati 370 is world wise known for its aroma	Food & Fodder	Provides energy fragrance and taste	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
				Basmati 1121/(Coarse K39 K434 Rattana & Long duration)			Normal	Normal	Medium tall Coarse Grains						
2	Maize	<i>Zea mays</i>	Maka	Dekalb double	Sub tropical / Upland		Rare	Plenty	Tall, high yielding with yellow in colour)	Food & Fodder	Provides energy	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
				K-517			Plenty	Rare							
		<i>Zea mays</i>		Ujala			Normal	Plenty	Average tall with yellow in colour	Food & Fodder					
		K-612		Plenty			Normal								
		Pro Agro-4794		Plenty			Normal	Tall, high yielding with yellow in colour)							

3	Moong	<i>Vigna radiata</i>	Moong	PDM-54	Hot / Humid Sub tropical region		Normal	Rare	Medium	Food	Source of Vegetable Protein	Also suitable for green Manuring	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
				SML-668			Normal	Plenty	High yielding Variety						
4	Mash	<i>Vigna mungo</i>	Mhaa	PU-19	Warm / Humid Sub tropical region		Normal	Normal	High yielding Variety	Food	Source of Vegetable Protein	-	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
				Utra			Normal	Normal							
5	Bajra	<i>Pennisetum americanum</i>	Bajra	Local Variety	Warm / Humid climate under Sandy loam Soil		Normal	Normal	Tall & low Yielding variety	Food & Fodder	Source of Energy	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
				MHB-110			Normal	Normal							
6	Wheat	<i>Triticum aestivum</i>	Kanak	HD2967,PBW64 4	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/ Private Suppliers	Farmers

7	Lentil	<i>Lens esculantum</i>	Masar	PL406	Cool & dry		Normal	Normal	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
8	Chick-pea	<i>Cicer arietinum</i>	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	<i>Pisum sativum</i>	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	<i>Allium cepa</i>	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	<i>Brassica juncea</i>	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	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

12	Gobhi Sarson	<i>Brassica napus</i>	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	<i>Solanum tuberosum</i>	Aalo	Kufri Sindhuri,Kufri Badsha, local	Potato is an herbaceous annual,requires 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,chip s etc	-	High carbohydrate,provide high n energy value	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
15	Toria	<i>Brassica rape cv.Toria</i>	Toria	RSPT-1,RSPT-2,Local var.	Cool & dry with bright sunshine		Normal	Normal	Short duration Annual Herb	oil for prepration of Food	Source of energy ,calciam,copper,potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Privaate Suppliers	Farmers
16	Sesame	<i>Sesamum indicum</i>	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

17	Sugarcane	<i>Saccharum officinarum</i>	Ganna	COJ-64,COJ-81	Sub Tropical		Rare	Rare	Long duration crop for Nine months	Food	Source of energy in the shape of Gur/Sugar	Sugar cane Juice used as preferred drink for instant source of energy during summer besides beating heat	Spring season	Farmers / Department/ Private Suppliers	Farmers
18	Chilli	<i>Capsicum spp</i>	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropical vegetable, grows well warm humid conditions		Abundant	Abundant	Pungency and flavor	Used as spice ,medicinal value	-	Contains good amount of vitamin A&C	winter season	Farmers / Department/ Private Suppliers	Farmers
19	Tomato	<i>Solanum lycopersicum</i>	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/ Private Suppliers	Farmers
20	Okra	<i>Abelmoschus esculentus</i>	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropical vegetable Hot and humid climate		Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dietary fibers,protein and carbohydrates	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers

21	Cucumber	<i>Cucumis sativus</i>	Kheera	Kheera local, JL	Grows in all climatoic conditions,Tropical,Sub tropical &temprate
22	Bottle gourd	<i>Lagenaria siceraria</i>	Lokki	PSPL/Punjab Long	Summer &rainy season crop
23	Bitter gourd	<i>Momordica charantia</i>	karela	Pusa Domausmi/Kundan	Warm and Humid climate
24	Beans	<i>Phaseolus Spp.</i>	Phaliya	Contender	Cool weather crop/Sandy/loamy soil
25	Cauliflower	<i>Brassica oleracea var.botrytis</i>	Fol gobi	Pusa snow ball,Pusa Katki,local Girja	Both sub tropical &intermediate

Abundant	Abundant	Limbing annual bearing elongated thick cylindrical fruit	Mainly used as salad	-	It also used asantipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Privaate Suppliers	Farmers
Abundant	Abundant	Vines vigorous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department/ Privaate Suppliers	Farmers
Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maintaning low suger level	Summer/ kharif	Farmers / Department/ Privaate Suppliers	Farmers
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, B6 and Manganese	Summer season	Farmers / Department/ Privaate Suppliers	Farmers
Abundant	Abundant	White and tender head ,curdformed from shortened flower part	Curd Mainly used as vegetable	-	Also good source of protein,carbohydrate,phasphorus& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

26	Cabbage	<i>Brassica oleraceae var. capitata</i>	Band gobi	Golden Acre, Pride of India, Green Flesh	Both sub tropical & intermediate
27	Knol khol	<i>Brassica oleraceae var. gongyloides</i>	Kadam	White vienna, Purple vienna	cool & moist climate/sub tropical
28	Spinach	<i>Beta vulgaris</i>	Palak	All Green, Delta	Cool season Crop, thrives well on well drained loam soils
29	Radish	<i>Raphanus sativus</i>	Mulli	Japanes White, Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils
30	Carrot	<i>Daucus carota</i>	Gajer	Pusa Kesar, local	Cool & moist climate/ sub tropical & intermedite

Abundant	Abundant	Round head with light to dark green colour	Head Mainly used as vegetable, salad	-	Also good source of protein, carbohydrate, phosphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Swollen stem, green/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	-	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Tender green leaves & roots used as Vegetable	Modified Roots are used as Vegetable & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department/ Private Suppliers	Farmers
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/ Private Suppliers	Farmers

31	Turnip	<i>Brassica rapa</i>	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&intermediate	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
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Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Mango	<i>Mangifera indica</i>	Aam						Jun-Aug		Fruit, Pickle, Preserves		
Citrus Fruit	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.						Through Out Year		Fruit, Pickle, Squashes etc		
Litchi	<i>Litchi chinensis</i>	Litchi						Jul - Aug		Fruit		
Guava	<i>Psidium guajava</i>	Amrood						Jul - Aug		Fruit		
Papaya	<i>Carica papaya</i>	Papita						Aug - Oct		Fruit		

Format 03 Fodder Crop

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

Format 04 Weeds

1	2	3	4	5	6	7	8		9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/ Habitat	Local Status		Uses if any	Management options	Associated TK	Other details	Community Kn. Holders
							Past	Present					
1	Pig Weed	<i>Amaranthus viridis</i>	Jangli Choulai	Rice, Maize & sugarcane	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Also Used as medicinal herb	Farmers
2	Lamb's quarters	<i>Chenopodium album</i>	Bathua/ Kanh/Wild Spinach	Wheat, Pea, Potato	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein, Vit. A, Calcium, Phosphorous & potash	Annual feed & fermentation of Beverages	Farmers
3	Nut Grass	<i>Cyprus rotundus</i>	Dilla/Motha	Paddy,maize,sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers
4	Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers

5	Carrot grass	<i>Parthenum hysterophorus</i>	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers
6	Bur Clover	<i>Medicago denticulata</i>	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
7	Canary Grass	<i>Phalaris minor</i>	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land	Farmers
8	Meadow Pea	<i>Lathyrus aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Canada Thistle	<i>Cirsium arvensis</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
10	Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal	Edible (Drug	Mechanical, Chemical	Nil	Agri. Land	Farmers

11	Nilibuti	<i>Ageratum</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
12	Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
13	Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
14	Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
15	Jhonson Grass	<i>Sorghum helipense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers

Format 05: Pests of Crops

1	2	3	4	5	6	7	8	9	10	11
S. No.	Insect /Animal	Scientific Name	Local Name	Habit	Habitat	Time/Season of Attack	Management Mechanism	Associated TK	Other details	Community Kn. Holders
1	Mustard aphid	<i>Lipaphis erysimi</i>	aphid	Sucking pest	Attacks mustard & other cucurbit crops	Dec-March	Timely sowing of crop & Chemical, Biological & Mechanical	-	Major threat to oil seed crops of Rabi	Farmers
2	Termite	<i>Microtermis obesi</i>	Telle	Chewing & biting	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers
3	Blister beetle	<i>Mylabris spp.</i>	Ghuri	Chewing & biting	Attacks Maize, Bhindi & Pulses	June-Oct	Mechanical & Chemical measures	-	Insectivorous feed on grasshopper	Farmers
4	Cereal leaf Beetle	<i>Oulma melanopus</i>		Chewing & biting	Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers
5	Red Pumpkin Beetle	<i>Raphidopalpa foveicellis</i>	Lal Kaddu Beetle	Chewing & biting	Cucurbits	March-Oct	Chemical measures	-	Most common in fields of Cucurbits	Farmers

6	Cucurbits fruit fly	<i>Bactrocera cucurbitae</i>	Melon fly	Chewing & biting	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheromonon trap	-	Danger to all cucumber crops	Farmers
7	Maize stem Borer	<i>Chilo partellus</i>	Sundi /Tana-shedak	Chewing & biting	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
8	Grasshopper	<i>Hieroglyphus nigropletus</i>	Tidi	Maize and Paddy	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
9	Rice Gandi Bug	<i>Leptocorzia varcornis</i>	Gandi Bug	Paddy	Paddy at miliking stage	July to Oct.	Mechanical& Chemical measures	-	Pierce the grains at miliking stage	Farmers
10	Army worm	<i>Spodoptera frugiperda</i>	Caterpillar	All Crops	Defoliaties Major crops	Through the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
11	Leaf Floder	<i>Cnaphalocrocis meddialis</i>	Ctter Pillers	Feeds on leavs abd stem	Attacts on Paddy Leaves	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers

12	Stem Borer	<i>Tryporza incrtules</i>	Tana shedat/ Catter pillers	Bores into stem results into dead heart	Crops Plants	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
13	Cut worm	<i>Agrotis ipsilon</i>	Ludi	Cuts stem and leaves	Wheat sorguham maize and other	Throughout the year	Mechanical& Chemical measures	-	Major threats	Farmers
14	White Fly	<i>Aleyrodidae spp.</i>		Suks the shap of plants	Sobin Bhindi and all pulses crops	April to Oct.	Chemical measures	-	Major threats	Farmers
15	Field rats	<i>Ratus meltada</i>	Chouha	Nocturnal in habit	Attacks all crops	Throughout the year	Mechanical& Chemical measures	-	Lives in burrows opening hidden in bushes	Farmers

Format 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
Lakhwinder singh (Naib Sarpanch) - Buffalo, Cow, Goat.								
THERE IS NO ORGANISED MARKET IN THE MUNICIPALITY FOR ANY OF THE SPECIES OF ANIMALS LISTED IN FORMAT 15								

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
Hindu, Sikh	Government Services, private services, Agriculture, Live stock etc	Labourers	Plain and Hilly	Paddy (June to ending July), Maize (April to ending may), Wheat (Oct to Nov), Mustard (Sep/Oct)	Check Dam	Check Dam	General cast/Scheduled Cast/Scheduled tribes	Average	Farmers, Labourers	511
					Nallah Bank Erosion Structure (Protective Banks)	Nallah Bank Erosion Structure (Protective Banks)				
					Concrete Channel	Concrete Channel				
					Lined Channel	Lined Channel				
					Water Harvesting Structures	Water Harvesting Structures				

Format 8: Landscape

Format 8: Landscape													
1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Features and approx. Area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow Land											
Plains & Kandi areas			Plains	hilly as well as	Forest land, Private, state lands,	Broad leaved mainly	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			
			Hillocks	plain terrain with gentle slope	Forest land, Private, state lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			
Shivalik areas			Hills	Hills with gentle slopes	Forest land, Private, state lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			

Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Ponds			Forest land and Private land	kamal,Baryan,	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public				5 ponds	
Tube well			Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public				3 tube wells	
Dug wells			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public		No		2 dug wells	
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		Yes			

Format 10: Soil Type Block Akhnoor Panchayat Ambaran (District Jammu)

S.No.	Soil	Type	Colour	Features	Soil management	Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
1	Sandy Loam	Type B	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: FRUIT TREES DOMESTICATED BIODIVERSITY													
1	2	3	4	6		7		8	9	10	11	12	13
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder	
					Past	Present							
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malta	Alternate Bearing	Plains	Plenty	Plenty	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Marketing, Own Use	
Citrus Fruit	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Tree, Regular Bearing	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing	
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Tree, Regular Bearing	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
Grapes	<i>Vitis vinifera</i>	Anjoor	Local Dakh, Perlette	Vine, Regular Bearing	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug	Fruit			
Aonla	<i>Phyllanthus emblica</i>	Ambla	Local Selection, NA-7	Tree, Regular Bearing	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov. - Dec	Pickling Preserve etc		Marketing, Own Use	
Ber	<i>Ziziphus mauritiana lank</i>	Ber	Gola, Varanasi	Tree, Regular Bearing	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Tree, Regular Bearing	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	
Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Tree, Regular Bearing, Shrub	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Tree, Regular Bearing	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit		Marketing, Own Use	
Karonda	<i>Carissa carandas</i>	Garnay	Local	Shrub	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit		Marketing, Own Use	
Papaya	<i>Carica papaya</i>	Papita	Local	Tree	Plains	Rare	Plenty	Nurseries, Locally Raised	Aug - Oct	Fruit		Own Use	

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

1	2	3	4	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own	Community/ Know.
						Past	Present					
Herbs	Tarad	<i>Dioscorea belophylla</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>		Lower shivalik/Temperate area	Root	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	brankad	<i>Adhatoda vesica</i>		Lower shivalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Shrubs	Drainkdu	<i>Murraya koenigii</i>		Sub-Tropical area	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	Dussa	<i>Colebrookia oppositifolia</i>		Lower shivalik	Seed	Rare	Rare	nil	Flower	Kali bramkad (Cough)	N.A	Generally, held by community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>		Lower shivalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativa</i>		Lower shivalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/ Flower	N.A	N.A	Generally, held by community
Tree	Bair	<i>Ziziphus xylocarpa</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shivalik	Seed	Rare	Abundant	nil	Fruit	Cough relief	N.A	Generally, held by community
Tree	Bill-Patre	<i>Aegle marmelos</i>		Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	<i>Melia azedarach</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves	Headache	N.A	Generally, held by community
Tree	Harad	<i>Terminalia chebula</i>		Lower shivalik	Seed	Abundant	Abundant	Good for digestion	Leaves/ Flower	Cough relief	N.A	Generally, held by community
Tree	Jaman	<i>Syzygium cumini</i>		Lower shivalik	Seed	Abundant	Abundant	maintains sugar level in human body	Leaves/ Flower	Seeds used for sugar control	N.A	Generally, held by community
Tree	Kakad-Singhi	<i>Pistacia khinjuk</i>		Lower shivalik	Seed	Rare	Rare	nil	Leaves/ Flower	N.A	N.A	Generally, held by community
Tree	Karal	<i>Bauhinia variegata</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/ Flower	Edible	N.A	Generally, held by community
Tree	Khair	<i>Acacia catechu</i>		Lower shivalik	Seed	Rare	Rare	nil	Leaves/ Stem	N.A	N.A	Generally, held by community

Tree	Kringal	<i>Casia fistula</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Fruit	Constipation	N.A	Generally, held by community
Tree	Lasuda	<i>Cordia dichotoma</i>		Lower shivalik	Seed	Rare	Abundant	nil	Leaves/ Fruit	Pickle	N.A	Generally, held by community
Tree	Mango	<i>Mangifera indica</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Stem/ Fruit	N.A	N.A	Generally, held by community
Tree	Retha	<i>Sapindus mukorossii</i>		Lower shivalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shivalik	Seed	Rare	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Sree	<i>Albizia lebbek</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/ Stem	N.A	N.A	Generally, held by community
Tree	Talli	<i>Dalbergia sissoo</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Tuni	<i>Toona ciliata</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/ Bark	Heart	N.A	Generally, held by community
Tree	Neem	<i>Azadiracta indica</i>		Lower shivalik	Seed	Abundant	Abundant	nil	Leaves/ Bark	Allergy	N.A	Generally, held by community
Tree	Bana			Lower shivalik						Back Pain		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	<i>Casia fistula</i>		Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	<i>Nerium oleander</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thumb	<i>Erythrina indica</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	<i>Salix alba</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	<i>Rosa acicularis</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Marigold	<i>Tagetes spp.</i>							

Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home- garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Trees	Kiker	<i>Acacia nilotica</i>	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community
Trees	Mango	<i>Mangifera Indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home- garden	own	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	nil	Generally, held by community
Trees	Sree	<i>Albizia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Taman				Abundant					Generally, held by community
Trees	Jammun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Lasuni									Generally, held by community
Trees	Simbal	<i>Bombax ceiba</i>			Rare					Generally, held by community
Trees	Banayan	<i>Ficus benghalensis</i>								Generally, held by community

Format 15: Domesticated Animals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Cattle	Gau	<i>Bos indicus</i>	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
	Jersy Gau	<i>Bos taurus</i>	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
	Amrecan Gau	<i>Bos taurus</i>	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	<i>Bubalus bubalis</i>	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
	Punjabi Mais	<i>Bubalus bubalis</i>	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda	<i>Equus caballus</i>	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
Mule	khacchar	<i>E.assinus x E. caballus</i>	Local	Black	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All

Format 16: Culture Fisheries

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local name	Scientific Name	Variety	Features	Waterscape (Pond/bheri/ talao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					

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

Mode of Catching Fish:-Drag net, Cast net

Time of Availability:- Through out the year

Breeding Time:-a)Commom Carp-March & December

b) Rohu,Catla,Mrigal:-June & July

Feed:- Ingridents include rice bran, wheat bran, Crushed Maize, Soyabeen , Mustard oil cake.

WILD BIODIVERSITY

FORMAT

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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial/own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Shisham	<i>Dalbergia sissoo</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Khair	<i>Acacia catechu</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	-
Tree	Amla	<i>Embllica officinalis</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	<i>Albizia lebbbeck</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial own use	Timber/ Firewood	-	-	-
Tree	Lecunia	<i>Leucaena lencocephala</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Simbal	<i>Bombax cebia</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Krangal	<i>Cassia fistula</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial /own use	Fruit	-	-	-
Tree	Fodder	<i>Butea monosperma</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-

Tree	Jamun	<i>Syzigium cumini</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shrub	Santha	<i>Dodonaea viscosa</i>	Shrubs	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Amb	<i>Mangifera indica</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Tree	Kiker	<i>Acacia nilotoca</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Sagwan	<i>Tectona grandis</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Safeda	<i>Eucalyptus spp.</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Bel	<i>Aegle marmelos</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Leaves/ Fruit	-	-	-
Tree	kakoa	<i>Flacourtia indica</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Grass	Bamboo	<i>Dendrocalamus Strictus</i>	Grass	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Sticks	-	-	-
Herbs	Bhang	<i>Cannabis sativa</i>	herbs	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Leaves	-	-	-
Herb	Jojra	<i>Pupalia lappacea</i>	Shrubs	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	-
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Shrub	Panjphuli	<i>Lantana camara</i>	Shrubs	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	-
Shrub	Gandila	<i>Nerium indicum</i>	Shrubs	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Flower	-	-	-

Herbs	congress Grass	<i>Parthenium hysterophrous</i>	herbs	Northern/ Sub-Tropical	Good	Moderate	-	-	-	-	-
Tree	Badh	<i>Ficus benghalensis</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	-		-	-	-
Tree	Phulai	<i>Acacia modesta</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Climber	Tarad	<i>Dioscorea belophylla</i>	Climber	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Roots			
Climber	Jungli bitter melon	<i>Momordica charantia</i>	Climber	Northern/ Sub-Tropical	Good	Moderate	Commercial/own use	Fruit			
Climber	Purple yam	<i>Dioscorea alata</i>	Climber	Northern/ Sub-Tropical	Good	Moderate	-				

Format 19: Wild Plant Species of Importance

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

Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9
Local Name	Scientific Name	Variety	Features	Habitat	Local status		Uses	Associated TK	Other details
					Past	Present			
Frog	<i>Rana spp.</i>								
Fish									
Tortoise	<i>Testudinidae spp.</i>								
Jalkukdi	<i>Anseriformes spp.</i>								
Bagle	<i>Canis lupus familiaris</i>								
Snake	<i>Serpentes spp.</i>								
Aak	<i>Calotropis gigantea</i>								
Congress grass	<i>Parthenium hysterophorus</i>								

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

Catching Fish:-By Hook & Line, Castnet, Gillnet

Availability:- Throughout the year

During the month of May & June & Monsoon Season

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 (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark	-	-	
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-	
Tree	Harad	<i>Terminalia chebula</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-	
Tree	Behra	<i>Terminalia bellirica</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-	
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Fruit /seeds	-	-	

Format 24: Ornamental Plants

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

Format 25: Fumigate / Chewing Plants

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (usage)	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Herb	Pudina	<i>Mentha spp.</i>		Homestead, agricultural land	Abudant	abudant	Spice	leaves	Chutni		
Tree	curry tree	<i>Murraya koenigli</i>		moist forest and agricultral land	Abudant	abudant	Spice	leaves			
Herb	wild Tulsi	<i>Ocimum sanctum</i>		Moist soil	Abudant	abudant	Medicinal	leaves			

Format26: Timber Plants

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local Status		Other Uses ,if any	Associated TK	Other Details	Community /Knowledge holder
			Past	Present				
Shisham	<i>Dalbergia sisoo</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Ber	<i>Ziziphus jujuba</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Sagwan	<i>Tectona grandis</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	<i>Eucalyptus spp.</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	<i>Bombax ceiba</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tunu	<i>Toona ciliata</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	<i>Syzygium cumini</i>	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

Format 27 A: Coastal and Marine Flora

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

NIL

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 Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder
				Past	Present					

NIL

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

1	2	3	4	5	6	7		8	9	10	11
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local status		Uses ,if any	Associated TK	Other Details	Community Knowledge Holder
						Past	Present				
Wild Animal	Squirrels	<i>Sciuridae spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild Animal	Boar	<i>Sus scofra</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild Animal	Indian Hare	<i>Lepus nigricollis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild Animal	Monkey	<i>Cercopithecidae</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild Bird	Red jungle fowl	<i>Gallus gallus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild bird	Rose ringed parakeet	<i>Psittaculidae</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild Animal	Fox	<i>Vulpes spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Wild Animal	Porcupine	<i>Erethizon dorsatum</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-

wild insects	Grasshopper	<i>Parallelus spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
wild insects	butterfly	<i>Chorthippus brunneus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
wild insects	bees	<i>Apis mellifera</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
wild insects	ants	<i>Brachymyrmex patagonicus</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
wild insects	Bumble bee	<i>Bombus spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Amphibia	Frog	<i>Euphlyctis cyanophlyctis</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Reptiles	Tortoises	<i>Testudines spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Reptiles	Snake	<i>Natrix spp.</i>	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Reptiles	Mongoose			-	-	Good	Good	-	-	-	-

Format 29: Flora URBAN BIODIVERSITY

1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	<i>Fig</i>	<i>Acacia nilotica</i>	Broad leave	sub tropical	summer	Common
2	<i>Mango</i>	<i>Mangifera Indica</i>	Broad leave	sub tropical	summer	Common
3	<i>Safeda</i>	<i>Eucalyptus spp.</i>	Broad leave	sub tropical	summer	Common
4	<i>Sree</i>	<i>Albizia lebbek</i>	Broad leave	sub tropical	summer	Common
5	<i>Talli</i>	<i>Dalbergia sissoo</i>	Broad leave	sub tropical	summer	Common
6	<i>Poplar</i>	<i>Populus ciliata</i>	Broad leave	sub tropical	summer	Common
7	<i>Aak</i>	<i>Calotropis gigantea</i>				
8	<i>porlonda</i>					
9	<i>Euphorbia</i>	<i>Euphorbia spp.</i>				
10	<i>Jammun</i>	<i>Syzygium cumuni</i>	Broad leave	sub tropical	summer	Common

Format 30: Fauna

1	2	3	4	5	6
S.No	Local Name	Scientific Name	Type of Animals(Mammals /Birds/Fish/Insects etc.)	Habitat	Remarks(Rare/common etc.)
1	Cow	<i>Bos taurus</i>	Mammals	Terrestrial	Common
2	Buffalow	<i>Bubalus bubalis</i>	Mammals	Terrestrial	Common
3	Sheep	<i>Ovis spp.</i>	Mammals	Terrestrial	Common
4	Goat	<i>Capra aegagrus hircus</i>	Mammals	Terrestrial	Common
5	Sparow	<i>Passeridae domesticus</i>	Birds	Terrestrial	Common
6	Crow	<i>Corvus spp.</i>	Birds	Terrestrial	Common
7	Parrot	<i>Psittaciformes spp.</i>	Birds	Terrestrial	Common
8	Peacock	<i>Pavo cristatus</i>	Birds	Terrestrial	Rare
9	Ant	<i>Formicidae spp.</i>	insects	Terrestrial	Common
10	Bee	<i>Anthophila spp.</i>	insects	Terrestrial	Common
11	Butterfly	<i>Rhopalocera spp.</i>	insects	Terrestrial	Common
12	Mosquito	<i>Culicidae spp.</i>	insects	Terrestrial	Common
13	Caterpillar	<i>Lepidoptera spp.</i>	insects	Terrestrial	Common
14	Fish		Aquatic Animals	Aquatic	Common
15	Frog	<i>Rana spp.</i>	Aquatic Animals	Aquatic	Common
16	Tortoise	<i>Testudinidae spp.</i>	Aquatic Animals	Aquatic	Common

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks
	Ponds - Clean	

End of Part II