

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Rathana

Taluk:RS Pura

District: Jammu

State: J & K

Geographical Area of the Panchayat Samiti:341.15

Population under the Panchayat Samiti: Total: 4000

Male: 2360 Female: 1640

Habitat and Topography:

Climate (Rainfall, Temperature and weather patterns)Rainfall: 110-115M ,Temp in Summer: 46 Max,Temp in Winter : 5 Min

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 04/02/2021

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 body ; not less than one third to be women and not less than 18% belonging to SC/ST)

1)Name of the Chairperson:Shakti bala w/o Yashpal (Panch)

Age: 32

Gender: Female

Address: Rathana

Area of specialization: Administration (Sarpanch)

2) Name: Sunita devi w/o Baldev singh

Age: 60 Yrs

Gender:Female

Address: Rathana

Area of specialization: Housewife

3)Name: Kamlesh kumari w/o Surjit Kumar

Age:36 Yrs

Gender: Female

Address: RATHANA

Area of specialization: Housewife

4)Name: RAJAT KUMAR s/o Madan lal

Age: 21 Yrs

Gender: MALE

Address: Rathana

Area of specialization: Student

5)Name: Harnam Das s/o Ram Lal

Age: 62 Yrs

Gender: Male

Address: Rathana

Area of specialization: Ex- serviceman now - Farmer

6)Name: Gurcharan singh s/o Des Raj

Age: 60 Yrs

Gender: Male

Address: Rathana camp

Area of specialization: Farmer

7)Name: Thora singh s/o Pathu Ram

Age: 65 Yrs

Gender: Male

Address: Rathana Camp

Area of specialization: Farmer

Annexure-2

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

1) Name : Bachan lal s/o Gian chand

Age: 78 Yrs

Gender: Male

Address: Rathana

Area of specialization: Bone fraction / Dislocation

Location from which the person accesses biological material:

Perception of the practitioner on the resource status: Traditional health practioners

Medicinal Use:

2) Name: Manjeet Saini / Meeta

Age:

Gender:

Address:

Area of specialization: Bone physician

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name: NIL

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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

1) Name of the Chairperson: Khajoor singh s/o Multar Singh

Age: 52 Yrs

Gender: Male

Address: Rathana

Area of specialization: Agriculture

2) Name of the Chairperson: Harbans lal s/o Garu Ram

Age: 35 Yrs

Gender: Male

Address: Rathana

Area of specialization: Agriculture

3) Name of the Chairperson: Ramesh singh s/o Sardar Chand

Age: 55 Yrs

Gender: Male

Address: Rathana Camp

Area of specialization:

4) Name of the Chairperson: NIL

Age:

Gender:

Address:

Area of specialization:

Vigna
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Annexure 4

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

1) Contact Person: Nil

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

Vigna
unguiculata

Annual

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
	Tilak Raj s/o Beli Ram (Cow, Buffalo)	Milk			
	Tarsem s/o Lakshman singh	Vegetables			

End of Part I

Part II
PBR – Formats
AGROBIODIVERSITY
Format 1: Crop Plants

S.No	Crop	Scientific Name	Local Name	Description of the variety	Landscape / Habitat	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	Average tall with yellow in colour						
				Ujala		Normal	Plenty							
				K-612		Plenty	Normal							
Pro Agro-4794	Plenty	Normal	Tall, high yielding with yellow in colour)											
3	Moong	<i>Vigna radiata</i>	Moong	PDM-54	Hot / Humid of Sub tropical region	Normal	Rare	Medium	Food	Source of Vegetable Protein	Also suitable for green Manuring	Summer/Kharif	Farmers / Department/ Private Suppliers Farmers /	Farmers
				SML-668		Normal	Plenty	High yielding Variety						
				IPM-0203		Normal	Rare	Excessive vegetative growth						
4	Mash	<i>Vigna mungo</i>	Mhaa	PU-19	Warm / Humid of Sub tropical region	Normal	Normal	High yielding Variety	Food	Source of Vegetable Protein	-	Summer/Kharif	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)	Department/ Private Suppliers	Farmers
				MHB-110		Normal	Normal							
6	Wheat	<i>Triticum aestivum</i>	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	Department/ Private Suppliers Farmers /	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	Department/ Private Suppliers Farmers /	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	Department/ Private Suppliers Farmers /	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	Department/ Private 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	Vegetables	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Private 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/ Private 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/ Private Suppliers	Farmers
13	Linseed	<i>Linum usitatissimum</i>	Alsi	LC 54	Cool & dry	Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,industrial & domestic use	Rabi	Farmers / Department/ Private 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,chips etc	-	High carbohydrate,provide high n energy value	Rabi	Farmers / Department/ Private Suppliers	Farmers
15	Toria	<i>Brassica jrape cv.Toria</i>	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/ Private 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 prefered 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 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/ 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 tropicall vegetableHot and humid climate	Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains diata fibers,protein and carbohydratesry	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	Abundant	Abundant	Limbing annual bearing elongated thick cylendirical fruit	Mainly used as salad	-	It also used asantipyretic and causing cooling effect	Summer/Kharif	Farmers / Department/ Private Suppliers	Farmers

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malta	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.	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year		Fruit, Pickle, Squashes etc	Marketing, Own Use	
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Plains	Plenty	Plenty	Nurseries	Jul - Aug		Fruit	Marketing	
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug		Fruit	Marketing, Own Use	
Grapes	<i>Vitis vinifera</i>	Anjoor	Local Dakh, Perlette	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug		Fruit		
Aonla	<i>Vigna unguiculata</i>	Ambla	Annual	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec		Pickling Preserve etc	Marketing, Own Use	
Ber	<i>Ziziphus mauritiana lamk</i>	Ber	Gola, Varanasi	Plains	Plenty	Plenty	Local	Jul - Aug		Fruit	Own Use	
Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug		Fruit	Own Use	
Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug		Fruit, Anardana	Own Use	
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul		Fruit	Marketing, Own Use	
Papaya	<i>Carica papaya</i>	Papita	Local	Plains	Rare	Plenty	Nurseries, Localy Raised	Aug - Oct		Fruit	Own Use	

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Barseem	<i>Trifolium alexandrinum</i>	Chhatala	Annual	Abundant	Abundant	Farmers / Department/ Private Suppliers	Nutritious & palatable fodder, Source of energy for animals	Entire Plant	Fodder	Farmers
Oats	<i>Avena spp.</i>	Javi	Annual	Abundant	Abundant		Nutritious & palatable fodder,	Above ground part of plant	Fodder	Farmers
Sorghum	<i>Sorghum spp.</i>	cherri	Annual	Abundant	Abundant	Farmers / Department/ Private Suppliers	Source of energy	Above ground part of plant	Fodder	Farmers
Maize	<i>Zea mays</i>	Makki	Annual	Abundant	Abundant		Source of energy	Above ground part of plant	Food & fodder	Farmers
Bajra	<i>Pennisetium americanum</i>	Bajra	Annual	Abundant	Normal	Farmers / Department/ Private Suppliers	Source of energy	Above ground part of plant	Food & fodder	Farmers
Cowpea	<i>Vigna unguiculata</i>	Pongi	Annual	Abundant	Normal		Kharif Legume with high protein	Above ground part of plant	Fodder	Farmers

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

Format 4: Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
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
Lamb's quarters	<i>Chenopodium album</i>	Bathua/Kanah/ Wild Spinach	Wheat, Pea, Potato	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein, Vit. A, Calcium , Phosporous & potash	Annual feed & fermentation of Beverages	Farmers
Nut Grass	<i>Cyprus rotundis</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
Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
Carrot grass	<i>Parthenum hysterophorus</i>	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers

Bur Clover	<i>Vigna unguiculata</i>	Maina	Annual	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
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
Meadow Pea	<i>Lathyrus aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
Canada Thistle	<i>Cirsium arvense</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
Nilibuti	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
Wild oats	<i>Avne fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers

Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
Jhonson Grass	<i>Sorghum helepense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
<p>Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc</p>												

Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
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
Termite	<i>Microtermis obesi</i>	Telle	Chewing & biting	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers
Blister beetle	<i>Mylabris spp.</i>	Ghuri	Chewing & biting	Attacks Maize, Bhindi & Pulses	June-Oct	Mechanical& Chemical measures	-	Insectivorous feed on grasshopper	Farmers
Cereal leaf Beetle	<i>Oulema melanopus</i>		Chewing & biting	Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers
Red Pumpkin Beetle	<i>Raphidopalpa foveicellis</i>	Lal Kaddu Beetle	Chewing & biting	Cucurbits	March-Oct	Chemical measures	-	Most common in fields of Cucurbits	Farmers
Cucurbits fruit fly	<i>Bactrocera cucurbitae</i>	Melon fly	Chewing & biting	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheronon trap	-	Danger to all cucumber crops	Farmers
Maize stem Borer	<i>Vigna unguiculata</i>	Sundi /Tana-shedak	Annual	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
Grasshopper	<i>Hieroglyphus nigropletus</i>	Tidi	Maize and Paddy	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
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

Army worm	<i>Spodoptera frugiperda</i>	Caterpillar	All Crops	Defoliates Major crops	Through the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
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
Stem Borer	<i>Tryporza inctules</i>	Tana shedat/ Catter pillers	Bores into stem results into dead heart	Crops Plants	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
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
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
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
Other details may include possible reasons for insects/animal attack									

Format 6: Markets for Domesticated animals

1	2	3	4	5	6	7	8	9
Name of the market & location	Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) [1]	Types of animals bought and sold [2]	Types and Average Number of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
Nil								

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

Vigna unguiculata

Annual

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
Gen-1882	Agriculture ,Govt. &Private Job	Labour	Agriculture	Land work for agriculture	Traditional and modern approach	Traditional	Gen	Mixed, good & weak	Some good & some bad	Total = 800 houses
SC -1182	Agriculture ,Govt. &Private Job	Labour & dairy	Agriculture	Land work for agriculture	Traditional and modern approach	Traditional	SC	Mostly waek	Mixed, good & weak	
ST, Hindu, Sikh, Christian (1 house)	Agriculture ,Govt. &Private Job	Labour & dairy	Agriculture	Land work for agriculture	Traditional and modern approach	Traditional	SC	Mostly waek	Mixed, good & weak	

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

Format 8: Landscape

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Feature s 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			plains	flat sweepng landmass with small change in elevation	Private and State lands.	Broad leaved mainly Tali, Phagari, Beri, Plah, Jamun, Aamb, Amla, Kikar, Bohr, Neem, Bana, Drenk, Jojera, Panjphulai, Khar grass, Dhub grass,	Domestic animals, wildlife such as wild pig, Snakes, jackal, etc.	Public,as well as pvt and Govt also		Aesthetic and scenic beauty in urban areas			
Lower Shiwalik areas			sub-mountains or Hillocks	plain terrain with gentle slope									
Shiwalik areas			Hills	Hills with gentle slopes									

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			State land and Private land	Tali, Kamal, Brankad, Bori Peepal and Khu jari etc	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public		Ponds in bad condition			
Streams			State land and Private land	Bana, Aak, Khar grass, Panjphuli jari etc	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Tube well			State land and Private land			Cattles, washing cloths, irrigation, Drinking etc	public					
Canals			Nil	Nil	Nil	Nil	Nil					
Hand pumps			Private	Panjphuli jari, Bana, Aak, Khar grass etc	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths,Drinking etc	public					

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

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	#VALUE!
Alluvial sandy soil	Fine & coarse grain	rich in N,ca, fe,si					
Hill and mountain soil	Fine & coarse grain	ca,fe,n,si, etc					
Red podzolic soil	brown, red	fe,ca,fe,n,si					

Vigna unguiculata

Annual

Format 11: FRUIT TREES DOMESTICATED BIODIVERSITY

1	2	3	4	6	7		8	9	10	11	12	13
Plant Type	Scientific Name	Local 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	Plenty	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.	Plenty	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Plenty	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing	
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Plenty	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
Grapes	<i>Vitis vinifera</i>	Anjoor	Local Dakh, Perlette	Plenty	Plenty	Plenty	Nurseries	Jul - Aug	Fruit			
Aonla	<i>Vigna unguiculata</i>	Ambla	Annual	Plenty	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Pickling Preserve etc		Marketing, Own Use	
Ber	<i>Ziziphus mauritiana lamk</i>	Ber	Gola, Varanasi	Plenty	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Rare	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	

Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Rare	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Mulberry	<i>Morus spp.</i>	Sehtut										
Fig	<i>Ficus carica</i>	Anjeer										
Loquat	<i>Eriobotrya japonica</i>	Lohkat										
Papaya	<i>Carica papaya</i>	Patita	Local	Plenty	Plenty	Plenty	Nurseries, Locally Raised	Aug - Oct	Fruit		Own Use	

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

1	2	3	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
					Past	Present					
Herbs	Jungli putna	<i>Mentha arvensis</i>	Lower shiwalik/Temperate area	Stem/Seed	Abundant	Abundant	medicinal	Leaves	N.A	N.A	Generally, held by community
Shrubs	Drainkad	<i>Murraya koenigii</i>	Sub-Tropical area	Seed	Rare	Rare	medicinal & spice	Fruit	N.A	N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>	Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves	N.A	N.A	Generally, held by community
Herbs	Bhang	<i>Canabis sativa</i>	Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Bair	<i>Ziziphus marutiana</i>	Annual	Seed	Rare	Rare	medicinal	Stem	N.A	N.A	Generally, held by community
Tree	Draink	<i>Melia azadirach</i>	Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Jamun	<i>Syzygium cumini</i>	Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mango	<i>Mangifera indica</i>	Lower shiwalik	Seed	Abundant	Abundant	Fruits	Stem/Fruit	N.A	N.A	Generally, held by community

Tree	Rumbal	<i>Ficus racemosa</i>	Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves	N.A	N.A	Generally, held by community
Tree	Siris	<i>Albizia lebbek</i>	Lower shiwalik	Seed	Abundant	Abundant	Firewood	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Tali	<i>Dalbergia sissoo</i>	Lower shiwalik	Seed	Abundant	Abundant	Timber & fodder	Stem	N.A	N.A	Generally, held by community
Tree	Amla	<i>Emblica officinalis</i>	Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Kikar	<i>Vachellia Nilotica</i>									
Tree	Lecunia	<i>Leucaena leucocephala</i>									
Tree	Farlai										
Tree	Neem	<i>Azadirachta indica</i>									

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
Shrub	Gandela	<i>Nerium oleander</i>		Cuttings	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Satpati	<i>Alstonia scholaris</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Bottle brush	<i>Callistemom citrinus</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Booganbel	<i>Bougainvillea glabra</i>		Cuttings	Non-Commercial	N.A	N.A	N.A	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	Vigna unguiculata	<i>Equus caballus</i>	Annual	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All
Poultry	Kukkar	<i>Galus gallus</i>	Local	Enriched meat flavor	Backyard	Abundant	Decrease	Egg ,meat	Nil	No	Egg ,meat	All
Poultry	Farmi Kukkar	<i>Galus domesticus</i>	Chabro	good egger	Backyard	few	Increased	Egg,meat	Nil	No	Egg ,meat	All
Poultry	Broiler	<i>Galus domesticus</i>	Hybrid	white color , fast growing	deep litter	few	Increased	meat	Nil	Yes	Meat	All

Poultry	Chakore	<i>Alectoris chukar</i>	Local	black and white stripes ,beak is short, strong, and orange in color	Backyard	few	Decrease	Egg,meat	Nil	Yes	Egg, Meat	All
Poultry	Parrot	<i>Psittaciformes spp.</i>	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
Poultry	Pigeon	<i>Columbidae livia</i>	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	<i>Canis familiaris</i>	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray
Cat	Billi	<i>Felis catus</i>	Local	Grey /white color	Pet ,Stray	Abundant	Abundant	pet	Nil	No	Nil	All / stray
Rabbit	Khargosh	<i>Oryctolagus cuniculus</i>	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild
Uses include milk, meat, skin, fur and etc												

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					

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

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	Tali	<i>Dalbergia sisoo</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Amla	<i>Emblica officinalis</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	<i>Albizia lebbek</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial own use	Timber/ Firewood	-	-	-
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial /own use	Fruit	-	-	-
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Amb	<i>Mangifera indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Fruit	-	-	-
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Safeda	<i>Eucalyptus spp.</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Neem	<i>Azadirachta indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Climber	Amar bel	<i>Cuscuta reflexa</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Grass	Doob grass	<i>Cynadon dactylon</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shurb	Dhatura	<i>Datura stramonium</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shurb	Arnid	<i>Ricinus communis</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shurb	Bana	<i>Vitex negundo</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-

Tree	Bel	<i>Aegle marmelos</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Rumbal	<i>Ficus glomerata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Fagora	<i>Ficus palmata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shurb	Panjphulli	<i>Lantana camara</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Grass	Nad	<i>Arundo donax</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Grass	Khar	<i>Saccharum munjo</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Shurb	Drenkeri	<i>Murraya koengii</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Herb	Congress grass	<i>Parthenium hysterophorus</i>	Herb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Herb	Chaleri saag	<i>Amaranthus viridis</i>	Herb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-

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	Lal Gandila	<i>Nerium indicum</i>	Shrub	Aesthetic	Good
2	Daduni	<i>Punica grantum</i>	Shrub	Live Hedge fencing	Good
3	Brenkar	<i>Adhatoda vasica</i>	Shrub	Medicinal	Good
4	Aak	<i>Calotropis gigantea</i>	Shrub	Medicinal	Good
5	Arnid	<i>Ricinus cuminus</i>	Shrub	Medicinal	Good
6	Bana	<i>Vitex negundo</i>	Shrub	Medicinal	Good
7	Vigna unguiculata	<i>Cannabis sativa</i>	Annual	Medicinal	Good
8	Thor	<i>Euphorbia royleana</i>	Shrub	Live Hedge fencing	Good
9	Jojra	<i>Pupalia lappacea</i>	Shrub	Medicinal	Good

Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other details	Community/ Knowledge Holder
					Past	Present				
Marakhi	<i>Puntius ticto</i>	Local	Silver & gold in colour with two black spots near the pectoral fin and cordal fin	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%
Tichir	<i>Puntius spp.</i>	Local	Blackish Spot or blotch on the caudal peduncle, small sized fish	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%
Kayehri / Garoch	<i>Labeo dero</i>	Local	Slender body covered with cycloid scales, head is over,silvery grey with rounded abdomen.	Tawi River						70%
Malli	<i>Wallago attu</i>	Local	Stream lined body,Barbels, scaleless, Cat fish	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%
Seeng	<i>Mystus seengala</i>	Local	Have long Barbels, Scaleless body, Chisel shaped head, Cat fish	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%
Garoj	<i>Vigna unguiculata</i>	Local	Annual	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%
Sol	<i>Channa marulius</i>	Local	Snakehead fish, Air Breathing Fish	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%
Mooree	<i>Channa orientalis</i>	Local	Snakehead fish, Air Breathing Fish	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	-	70%

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Water Hyacinth, Floating Weed	<i>Eichornia spp.</i>	Invasive	Can be used to make compost, Mulching & to Clean Sewage	Free Floating Weed
2	Arra, Bagu	<i>Chara spp.</i>	Local	-	Marginal

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	Amla	<i>Emblica officinalis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Jamun	<i>Syzygium cumini</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Ber	<i>Ziziphus jujuba</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Kikar	<i>Acacia nilotica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Bark & Pods	-	-
Tree	Drehnk	<i>Melia azedarach</i>	Annual	Alluvial plain/Farm lands	Good	Good	-	Medicinal	Seeds & Leaves	-	-
Tree	Neem	<i>Azadirachta indica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-
Grass	Doob grass	<i>Cynadon dactylon</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-
Shurb	Dhatura	<i>Datura stramonium</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Shurb	Arnid	<i>Ricinus communis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Oil	-	-
Shurb	Bana	<i>Vitex negundo</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-

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

Format 23: Wild relatives of Crops

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Status		Uses (usage)	Part Used	Associated TK	Other details	Community / Knowledge holder
				Past	Present					
nil										
Note: Other details may include 'function as a substitute plant' in the absence of a particular plant										

Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial / Non-commercial Uses	Associated TK	Any other Detail	Community/ Knowledge Holder
Lal Gandila	<i>Nerium oleander</i>	Shrub	Farm land	-	-	-	-
Kaneer	<i>Thevetia peruviana</i>	Tree	Farm land	-	-	-	-
Bougainvillea	<i>Bougainvillea glabra</i>	Shrub	Farm land	-	-	-	-
Gulmohar	<i>Delonix regia</i>	Tree	Farm land	-	-	-	-
Karal	<i>Bahunia purpurea</i>	Tree	Farm land	-	-	-	-

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 arvensis</i>		Farm lands	good	Abundant	Spice	leaves			
Herb	Buch	<i>Acrous calmus</i>		Farm lands	good	good	medicinal	roots			
Herb	Haldi	<i>Corcuma domestica</i>		Farm lands	good	Abundant	Spice	roots			
Herb	Ginger	<i>Zingiber officinale</i>		Farm lands	good	Abundant	Spice	roots			
Herb	Methi	<i>Trigonella foenum</i>		Farm lands	good	Abundant	Spice	Seeds			
Grass	Vigna unguiculata	<i>Cymbopogon nardus</i>	Annual	Farm lands	good	good	Spice	leaves			
Herb	Horioh	<i>Brassica campestris</i>		Farm lands	good	Abundant	Spice	Seeds			

Format 26: Timber Plants

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local Status		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Past	Present				
Shisham	<i>Dalbergia sisoo</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Ber	<i>Ziziphus jujuba</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	<i>Eucalyptus tereticornis</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Aam	<i>Mangifera indica</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Kikar	<i>Acacia nilotica</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Dherenk	<i>Vigna unguiculata</i>	Farmlands	Annual	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tut	<i>Morus alba</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	<i>Syzygium cumni</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Dhaman	<i>Grewia optiva</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	<i>Bombax ceiba</i>	Farmlands	Good	Good	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										

Vigna
unguiculata

Annual

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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Wild Animal	Squirrels	<i>Funambulus palmarum</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Rose ringed parakeet	<i>Psittaculidae spp.</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Vigna unguiculata	<i>Herpestes spp.</i>	Annual	-	-	Good	Good	-	-	-	-	
Wild Animal	Sparrow	<i>Passer domesticus</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Crow	<i>Corvus splendens</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Pigeon	<i>Columba livia</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Bee	<i>Apis cerana indica</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Butterfly	<i>Rhopalocera spp.</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Frog	<i>Anura spp.</i>	Farmland	-	-	Good	Good	-	-	-	-	

Format 29: FLORA URBAN BIODIVERSITY

1	2	3	4		5	6
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Kikar	<i>Acacia nilotica</i>	Broad leaved	Sub-tropical	Summer	Common
2	Mango	<i>Mangifera indica</i>	Broad leaved	Sub-tropical	Summer	Common
3	Safeda	<i>Eucalyptus spp.</i>	Broad leaved	Sub-tropical	Summer	Common
4	Sree	<i>Albizia lebbek</i>	Broad leaved	Sub-tropical	Summer	Common
5	Talli	<i>Dalbergia sissoo</i>	Broad leaved	Sub-tropical	Summer	Common
8	Jammun	<i>Syzygium cumini</i>	Broad leaved	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
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)
1	Cow	<i>Bos taurus</i>	Mammals	Terrestrial	Common
2	Buffalow	<i>Babalus bubalis</i>	Mammals	Terrestrial	Common
3	Sheep	<i>Ovis aries</i>	Mammals	Terrestrial	Common
4	Goat	<i>Capra aegagrus</i>	Mammals	Terrestrial	Common
5	Sparow	<i>Passer domesticus</i>	Birds	Terrestrial	Common
6	Crow	<i>Corvus splendens</i>	Birds	Terrestrial	Common
7	Pigeon	<i>Columba livia</i>	Annual	Terrestrial	Common
9	Ant	<i>Tapinoma sessile</i>	insects	Terrestrial	Common
10	Bee	<i>Apis cerana indica</i>	insects	Terrestrial	Common
11	Butterfly	<i>Rhopalocera spp.</i>	insects	Terrestrial	Common
12	Mosquito	<i>Culex pipiens</i>	insects	Terrestrial	Common
13	Cater pillar	<i>Danaus plexippus</i>	Aquatic Animals	Terrestrial	Common
14	Frog	<i>Anura spp.</i>	Aquatic Animals	Aquatic	Common

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

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks
	Andeer Kandar- boil - Animal Nipple wash	
	Kalbatri Jadi	
	Nyalpoch - its water used for eye irritation	

Vigna unguiculata

End of Part II