People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Dhar-A

Taluk: Ghat

District: Doda

State: J&K UT

Geographical Area of the Panchayat Samiti: 577.9 hac.

Population under the Panchayat Samiti: 2232

Male: 1127 **Female:** 1105

Habitat and Topography: Hilly

Climate (Rainfall, Temperature and weather patterns): Temperate

Land Use (Nine fold classification available with village records): Agriculture/ Non-agriculture

Date, Month and Year of PBR Preparation: 11/2020 (Tentative date) BMC register not available

Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM):- Community owned & managed forest (RF/JGM)

Annexure 1

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

1) Name of the Chairperson: Niaz Ahmed **S/o** Ab. Aziz

Age: 72

Gender: Male

Address: Dhar

Area of specialization: Agriculturist **/** Sarpanch

2) Name: Arif Hussain S/o Ghulam Hassan (changed)

Age: 30 years

Gender: Male

Address: Dhar

Area of specialization: Agriculturist **PRI** Member

3) Name: Shadi Lal **S/o** Pathanoo

Age: 38

Gender: Male

Address: Dhar

Area of specialization: Agriculturist

4) Name: Nasreena Begum W/o Parvaiz Ahmed (Changed)

Age: 23 years

Gender: Male

Address: Dhar
Area of specialization: Housewife
5) Name: Tariq Hussain S/o Ab. Rashid (PRI member) (Changed)
Age: 36 years
Gender: Male
Address: Dhar
Area of specialization: Agriculturist
6) Name: Shakti devi W/o Mohinder Singh (SC) (changed)
Age: 31
Gender: Female
Address: Dhar
Area of specialization: Agriculturist **/ Housewife**
7) Name: Nayeem Niaz S/o Nazir Ahmed
Age: 33 years
Gender: Male
Address: Dhar
Area of specialization: Agriculturist

Annexure-2

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

1)Name: Javeed Ahmed S/o Mohd. Ramzan Lahar

Age: 42 years

Gender: Male

Address: Dhar

Area of specialization: Agriculture/ Lohar / Hakim

Location from which the person accesses biological material: Dharvad adjoining areas

Perception of the practitioner on the resource status: Hakim

Medicinal Use: Refused

2) Name: Bimla Devi W/o Gian Chand

Age: 60 years

Gender: Female

Address: Dhar

Area of specialization: Dai

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3)Name: Amarnath S/o Ganga Ram

Age: 62 years

Gender: Male

Address: Dhar
Area of specialization: Agriculture/ Lohar / Hakim
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 foresty

1) Name of the Chairperson: Niaz Ahmed **(**Sarpanch)

Age: 72

Gender: Male

Address: Dhar

Area of specialization: Agriculture

2) Name of the Chairperson: Gh. Mohd. S/o Ahmdin wani

Age: 65 years

Gender: Male

Address: Dhar

Area of specialization: Agriculture/ Horticulture

3)Name of the Chairperson: Thakur Singh S/o Mastu

Age: 65 years

Gender: Male

Address: Dhar

Area of specialization: Agriculture / horticulture/ Forestry

4)Name of the Chairperson: Ab Karim S/o Ali Mohd. Rathi

Age: 50 years

Gender: Male

Address: Dhar

Area of specialization: Agriculture/ Forestry

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: 84938816581

Name and Address: PRI (Sarpanch) Dhar - A

2) Contact Person:

Name and Address: Mohd. Haron S/o Hrisain R/o Dhar GRS Ret. RDD

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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**

End of Part I

Part II
PBR – Formats
AGROBIODIVERSITY

Format 1: Crop Plants

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	**Scientific Name**	**Local Name**	**Variety**	**Landscape /Habitat**	**Approx Area Sown**	**Local Status**		**Special features**	**Cropping Season**	**Uses**	**Associated TK**	**Other Details**	**Source of Seeds / Plants**	**Community /Knowledge Holder**
						Past	**Present**							
Maize	*Zea mays*	Kookri	Plandri, Rashi 4794, Bio-9621, DMH-7314, Bio-9220	Hilly, temperate and Intermediate	21205 Ha	Local varieties	Improved Varieties	April sown, local variety dentless, corn and floor sweet in taste	Kharif	Major food item, used as floor feeding to poultry and cattle	Local variety Plandri, shown before 15 April, harvering when leaves turn pale	-	Household kept seed, Department of agriculture, Private seed dealers	Generally aged farmers of rural communities posses TK pertinent to cultivation and management
Wheat	*Triticumaestivum*	Kanak, gandham	HS-240, VL 804, HS 507	Hilly, temperate and Intermediate	5663 Ha	Local varieties	Improved Varieties	Late maturity	Rabi	Grains used as food, straw used as dry fodder, premature crop used as fodder	-	-	Seed selected from previous year's crop, Department of agriculture	Local farming communities
Barley	*Hordeumvulgare*	Joo	Local Barley, Ratna, Sonu	Hilly, temperate and Intermediate	3450 Ha	Local varieties	Improved Varieties	Most efficient under rainfed conditions	Rabi	Grains used as cattle feed. Besides green crop used as fodder	Used for making local drinks consumed during summers	-	Seeds saved from previous year's crop, from fellow farmers or relatives	Generally aged farmers of rural communities possess TK pertinent to cultivation and management

Rajmash	*Phaseolus vulgaris*	Rajmaa	Vaspa, Local Varieties,	Temperate	4500 Ha	Local varieties	Improved Varieties	Sown majorily as an intercrop/ Mixed crop with maize	Kharif	Green beans used as vegetables, pods used as vegetables and grains used as pulse	Local varieties of Rajmash. Every village has its own local strain. Bhaderwahi rajmash has distinct aroma on cooking	-	Seed saved from the previous year's crop	Farmers of Entire Bhaderwah region. Calls for protection as Geographical Indication
Black gram	*Vignamungo*	Kaali dhal	Local, PU-19, PU-31, Shekher-3	Temperate and intermediate	850 Ha	Local varieties	Improved Varieties	-	Kharif	Used as pulse in human diet	Local varieties has distinct taste and get cooked in less time	-	Farm saved seed, Department of agriculture or private seed dealers	Local seed possessed by the farming community of the district
Horse gram	*Macrotylomaunifloru m*	Kulthi	Local,	Temperate and intermediate	250 Ha	Local varieties	Improved Varieties	-	Rabi	Used as pulse in human diet	Consumed during winters and is reported to have medicinal importance	-	Farm saved seed	Farming community of the district
Cowpea	*Vignauniculata*	Roongi or roong	Local, C-1, C-152, PS-42	Temperate and intermediate zones	Mixed crop with maize in about 250 Ha	Local varieties	Improved Varieties	Grown as a mixed crop with maize	Kharif	Green pods used as vegetable, seeds used as pulse I n diet	Local varieties being preserved by the farmers for quite along time	-	Seed saved by the farmers from the previous year's crop	Cultivation and management practices among the farming communities across the District
Brown Mustard	*Brassica juncea*	Saroon	Local, KS-101, KOS-1	Temperate and intermediate zones		Local varieties, low production	Improved Varieties, high production	Crop severely affected by the snowfall during the months of dec-feb	Rabi	Green leaves used as vegetable and seeds used for extracting oil used in cooking and for other relevant purposes	Mustard cake used for treatment of various ailments in cattle		Farm saved seed, from peer groups of farmers, from department of agriculture and other relevant sources	Cultivation and management practices among the farming communities across the District

Knolkhol	*Brassica oleracia var. Gongylodes*	Kaddam	Local, Purple Vienna	Temperate and intermediate	550 Ha	Local varieties	Improved varieties and scientific cultivation and management practices	Grown by almost every household in kitchen gardens as well	3-4 crops throughout the year	As vegetable and in pickle making	Traditional seed production technique of local varieties	Large sized knot of local varieties which does not produce fibreseven after maturity	For local varieties, seed produced through indigenously adopted methods, moreover, for other varieties source is generally private dealers and department	Tk holders for seed production are farmers across the district especially from Bhaderwah, Chinta and Kelad areas.
Mash	*vigna Radiata*	Maah												
Potato	Solanum Tuberosum	Aalo												
Peas	*Pisum sativum*	Matar												

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 markt / own use**	**Community /Knowledge Holder**
					Past	**Present**						
Apple	*Malus x domestica Borkh.*	Sabe	Red Delcious, Golden Delocious, Maharaji, American etc.	Tree, regular bearing	temperate hills	rare	Plenty	Nurseries	Aug- Oct.	fruit, value addition		Maketing , own use
Pear	*Pyrus spp.*	Nakh	Patharnakh, China pear	Tree, regular bearing	Mid hill	Plenty	Plenty	Nurseries	Aug-Sept	fruit		own use
Peach	*Prunus persica(L.) Batsch.*	Aaroo	July Elberta, Quetta	Tree, regular bearing	mid hill	Rare	Rare	Nurseries	June-july	fruit		Maketing , own use
Apricot	*Prunus armeniaca*	Khubani, Sadi	local apricot, Bebco	Tree, regular bearing	Mid hills	Plenty	Plenty	Nurseries	June-july	fruit		own use
Walnut	*Juglans regia*	Akrote	Paper shelled, Thin shelled, hard shelled medium shelled	Tree, regular bearing	Temperate hills	Plenty	Plenty	Nurseries, locally raised	sept-oct	dry fruit		Maketing , own use
Plum	*Prunus salicinia*	Aaloo Bukhara	santa rosa, Allo Bukhara	Tree, regular bearing	Mid Hills	Rare	Rare	Nurseries, locally raised	July-august	fruit		Maketing , own use
Persimmon	*Dios spyrus*	Amlook	Local	Tree, regular bearing	Mid/temperate hills	Rare	Rare	locally raised	July-august	fruit		Marketing

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 Seeds / Plants**	**Associated TK**	**Part Used**	**Other Details**	**Community /Knowledge Holder**
				Past	**Present**					
Oats	Avena sativa	Ghaas	Temperate and intermediate	2350 Ha	Local varieties	Seed saved from previous year's crop, department of agriculture or private seed stores	Stored in locally mode indigenous structure called tye-	Shoot areas		Stored in locally mode indigenous structure called tye-
Berseem (Egyptian clover)	Trifoliumalexandrinum	Ghaas	Irrigated areas Temperate	Minor 150 Ha	-	Private seed dealers	-	Shoot areas		-
Tree	Acacia nilotica	Kikar								
Tree	Melia azedarach	Drankh								
Tree	*Olea cuspidata Wallich ex G. Don*	Kahu								
		Maro								
	Quercus Incana	Banj								
		Datri								

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**	**Source of Seeds / Plants**	**Community /Knowledge Holder**
						Past	**Present**					
Maize	*Ipomea spp.*	Zeharbael	7-8 species of ipomea weed affect the maize crop at different stages from sowing to maturity	Temperate and intermediate areas of the District	25000 Ha	No weed management	Weed management on scientific lines being followed by the farmers	Fast growing weed, grows as vines and affects maize crop badly	Kharif (in maize crop)	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
Maize	*Cyprus rotundus*	dheloo	-	Temperate and intermediate areas of the District	22000 Ha	No weed management	Weed management on scientific lines being followed by the farmers	-	Kharif (in maize crop)	-	Through underground corms transferred through different sources	No TK associated with either knowledge or management of Ipomea weed
Maize	*Brachiariamutica*	Ghass	Para grass	Temperate and intermediate areas of the District	23000 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif (in maize crop)	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
Mash	*Cyprus esceluntus*	Ghass	-	Temperate and intermediate areas of the District	36000 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif (in mash and maize crops)	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
Paddy	*Ipomeaaqatica*			Temperate and intermediate areas of the District	1200 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif (Majorily paddy)	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed

Paddy	*Celosia argentina*	Neeli	Cocks comb	Temperate and intermediate areas of the District	800 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif (Paddy)	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
All crops	*SaolanumXanthocarpum*	Janglipatha	Wild eggplant	Temperate and intermediate areas of the District	1350 Ha	No weed management	Weed management on scientific lines being followed by the farmers		All seasons	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
Paddy	*Eichhorniacrassepes*	Pannijadi	Water hyacinth	Temperate and intermediate areas of the District	1250 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif (paddy)	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
All crops	*Viciahirsua*	-	Chingarisak	Temperate and intermediate areas of the District	14000 Ha	No weed management	Weed management on scientific lines being followed by the farmers		All seasons	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
All crops	*Cardiospermumhalicacabum*	-	Lataphatkari	Temperate and intermediate areas of the District	26000 Ha	No weed management	Weed management on scientific lines being followed by the farmers		All seasons	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
All crops	*Rumexcrispus*	Janglipalak		Temperate and intermediate areas of the District	17500 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Spring season	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
All crops	*Setariaglauca*	Shitta	Foxtail	Temperate and intermediate areas of the District	15600 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed
All fields	*Partheniumhysterophorus*	Chittaka		Temperate and intermediate areas of the District	200 Ha	No weed management	Weed management on scientific lines being followed by the farmers		Kharif and rabi	-	Natural shedding of seed in the crop	No TK associated with either knowledge or management of Ipomea weed

		Kratha										
		Tooka										

Format-5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	**Insect /Animals**	**Scientific Name**	**Local Name**	**Habitat**	**Time / Season of Attack**	**Management mechanism**	**Associated TK**	**Other Details**	**Community /Knowledge Holder**
Paddy	Leaf folder	*Cnaphalocrocis medinails*	Patta modak	Paddy fields	Tillering stage/Rainy season (monsoon)	Dragging rope across the field, light traps, spraying chloropryfos, cypermethrin, or Cartap hydrochloride to kill the larvae	Clipping of upper portion of seedlings is considered very effective management		Traditional
	Stem borer	*Scirpophaga incertulas*	Tanna shedak	Paddy fields	July to September	Soil solarisation in May or June. 1. Apply granules of Cartap Hydrochloride 4G @1.25 kg/kanal or Carbofuran 3G @1kg/kanal granules in 5-7.5 cm standing water & do not drain or irrigate the field for 72 hrs of application. 2. Or spray Cartap hydrochloride 50 SP @ 1gm/ lt water or Chloropyriphos 20 EC @ 2.5 ml/ lt water at ETL 5% Dead hearts		ETL 5% Dead heart	
						Removal of weeds, Clipping of the leaf tips containing larva mines,			

Paddy	Rice Hispa	*Dicladispa armigera*	kida	Paddy fields	July to September	In situations of high hispa incidence, skip nitrogen fertilizer top-dressing Spray crop with Chlorophyriphs 20 EC @ 2ml/lit or Quinophos 25 EC @ 1.5 ml per litre of water.		Top- dressing after the pest management measures can enhance recovery	
	Brown Plant Hopper	***Nilaparvata lugens***		Paddy fields	July to September	Remove weeds(co-host), install straw bundles to conserve predatory spiders, delay application of nitrogen fertilizer, Spray Imidachloropid 200 SL @ 3ml per 10 liter water or Acephate 75 WP @ 50 gm per kanal.			
Paddy	Grass hopper	***Hieroglyphus banian***	Tidda	Polyphagous	June to October	Scrap the bunds, Apply Methyl parathion 2% dust or malathion 5% @1.25 kg per kanal on the bunds. Spray Chloropyriphos 25 EC @ 2.4 ml or Malathion 50 EC @ 3.7 ml per liter of water.			
	Thread worm	*Strongyloides stercoralis*	Viscal	Low lying areas/paddy fields	July to October	Deep ploughing 2 to 3 times Crop rotation, Soil application with neem cake @ 100-120 kg/ ha Soil Application of Cartap Hydrochloride 4G @1.25kg/kanal or Carbofuran 3G @1kg/kanal or Chloroprifos 10G @ 500 gm/ kanal			

						Application of / lt water or Neem oil @ 3ml/ lt water at regular interval.			

Wheat	Aphids	*Sitobin avenae/Rhopalosi phum padi*	tella	Polyphagous	February to April	Release 1st instar larvae of green lacewing (Chrysoperlacarnea) @ 4000/acre. Spray crop with Imidacloprid 200SL @ 0.3 ml / litre of water or dimethoate 30% EC @ 1.5ml/ litre of water followed by neem oil @ 3 ml or NSKE @ 5ml / lt water.			
	Pink stem borer	*Sesamia inferns*	ludi	Polyphagous/ debris	Nov to feb	Field sanitation and continuously remove and destroy the affected plants and stubbles. Deep ploughing, crop rotation.Soil solarisation in May or June.Use *Trichogramma*spp., Chrysoperlacarnea and coccinellids cards,Application of Cartap Hydrochloride 4G @1.25kg/kanal or Carbofuran 3G @1kg/kanal in whorls of plants.Spray Cypermethrin 10% EC @ 1 ml lt water or Cartap hydrochloride 50 SP @ 1gm/ lt water or or Oxydemeton – methyl 25% EC @ 1000 ml/ha at ETL 5% Dead hearts.			
	Termites	*Odontotermis obesus*	Sink	Polyphagous/ sandy loam soils.	October to April	Thiamethoxam 30% FS @ 1.32 Kg per 40 Kg seeds or Chlorpyrifos 20% EC @ 3 – 4 ml/Kg seed and 0.8-1.2 l/acre as soil application		Avoid un-decomposed FYM	
	Stem Borer	*Chilo partellus*	ludi	Polyphagous	Kharif	Field sanitation and continuously remove and destroy the affected plants and stubbles completely.			

Wheat	Grass hopper					Deep ploughing, follow crop rotation.			
						Use *Trichogramma* spp., Chrysoperla carnea and coccinellids cards. Application of Cartap Hydrochloride 4G @1.25kg/kanal or Carbofuran 3G @1kg/kanal in whorls of infested plants.Spray Cypermethrin 10% EC @ 1 ml lt water or Cartap hydrochloride 50 SP @ 1gm/ lt water at ETL 5% Dead hearts.			
Wheat		***Hieroglyphus banian***	Tidda	Polyphagous	March to May	Scrap the bunds, Apply Methyl parathion 2% dust or malathion 5% @1.25 kg per kanal on the bunds. Spray Chloropyriphos 25 EC @ 2.4 ml or Malathion 50 EC @ 3.7 ml per liter of water.			
	Cereal Leaf Beetle	*Oulema melanopus*		Kharif	Kharif	Eradicate/destroy the weeds Field sanitation Deep summer ploughing,		Schedule spray application only when approx 50% of eggs are hatched as the chemicals are mostly effective against larval stage then eggs or adult stage.	
						Destroy the eggs manually if possible.			

						Spray Chloropryphos 50% + Cypermethrin 5% EC @ 2.5 ml/lit water or chloropryphos 20EC@ 2.5 ml/lit water or cypermethrin 10 % EC @ 1ml per lit water or Thiamethoxam 12.6 % or acetamiprid 20 SP @ 1gm / lit water or spinosad @ 1gm/ lit water.			
Maize	Corn worm	*Helicoverpa armigera*	sundi	Maize cobs	Kharif	Weeds erdadication, Setting up light traps for adults @ 1/acre. Installing pheromone traps @ 6-10/acre. Spray NSKE 5% against eggs and first instar larvae. Spray crop with BT (*Bacillus thuringiensis*) @ 1 kg/ hactare or NPV formulations @ 250 LE in 500 lt water for hactare . Spray crop with spinosad @ 1gm/ litre or or Malathion 50 EC @ 1ml per litre of water or Quinalphos 25 EC @ 2ml/lt water.			
						Setting up light traps for adults @ 1/acre. Installing pheromone traps @ 6- 10/acre 1. Spray NSKE 5% against eggs and first instar larvae.			

Paddy	Cut worm	*Agrotis.spp*	toka	Maize Field	Kharif	2. Spray crop with BT (*Bacillus thuringiensis*) @ 1 kg/ hactare or NPV) formulations @ 250 LE in 500 lt water for hactare .			
						3. Apply Chloropyriphos at 2.5ml per litre water or Chlorantraniliprole 18.5 SC 0.3 ml per liter water.			
Brinjal	Red Spider mites	*Tetranychus urticae*	juan	Polyphagous	Feb to May	Field sanitation, clipping of infested leaves and destroying it completely. Grow trap crops, Conserve predators Spray Diafenthiuron 50 WP@ 1.25gm/lt water or Ethion 50% EC @1ml/ lt water or Dicofol 18.5 EC @ 2 ml/lt water or wetable sulphur 80 % wp@3gm/lt water or Kelthane @1ml/lt water followed by NSKE @ 10 ml / lt water.		Avoid dusty conditions	
					September to December				
	Fruit and shoot borer	*Leucinodes ornonalis*	Fal shedak	Polyphagous	February to may	Field sanitation, Clipping off of infested shoots, Trichogramma cards, Spray of NPV,neem oil, Spray of chlorantraniliprole 18.5 SC			
					Aug to November				
	Hadda Beetle	*Henosepilachna Vigintioctopunctata*	Fal shedak	Polyphagous	March to October	Collect and destroy the inefsted leaves with grubs and egg masses.			
						Regular hoeing of the soil beds. Spray neem oil @ 5ml/ly wate.			

						Spray cypermethrin 25% EC@ 60-80 ml in 200 l of water/acre or Quinalphos 20% SG @ 600-700 ml in 300-400 . Og esyrt ot Frlysmryhtin1% + Triazophos 35% EC @ 400-5-- ml in 200 L of water / acre.			
						Repeat the spray after 7 days interval altenate with neem oil after picking fruits			
Okra	Fruit Borer	*Helicoverpa armigera*	Fal shedak	Polyphagous	February to may	Spray crop with chlorantraniliprole 18.5 % SC @ 80 ml/ 200 -300 lit of water per Acre and			
					Aug to November	neem oil @ 5ml lt water			
Okara	Leaf hopper	*Amrasca biguttula Ishida*		Polyphagous	April -june	Conserve predators, Spray azadirachtin 5% W/W neem extract concentrate @ 80 ml in 160 l of water/acre .			
						Spray acetamiprid 20% SP @ 30 g in 200-240 l of water/acre **or** imidacloprid 17.8% SL @ 40 ml in			
						200 l of water/acre or malathion 50% EC @ 400 ml in 200-400 l of water/acre **or**			
						cyperamethrin 25 % @			
						2ml/ lt water.			

Okara	Red Spider mites	Red Spider mites	juan	Polyphagous	Feb to May	Field sanitation, clipping of infested leaves and destroying it completely. Grow trap crops, Conserve predators Spray Diafenthiuron 50 WP@ 1.25gm/lt water or Ethion 50% EC @1ml/ lt water or Dicofol 18.5 EC @ 2 ml/lt water or wetable sulphur 80 % wp@3gm/lt water or Kelthane @1ml/lt water followed by NSKE @ 10 ml / lt water.			
					September to December				

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)

Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10
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**
SC Community	Agriculture		Farm land, pastures	Traditional practices and farming	Land levelling	Cow dung as manure, insecticide, pesticide	SC , ST		
Others	Agriculture/ Employees		Agricultureal land, Pastures, Farm land		Land lavelling	Cow dung as manure, insecticide, pesticide, fungicides, Antibacterial sprays	Others		

11
No. of HHs
30
290

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**											
Nil			Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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	**Sub-type**	**Features and Approx. area**	**Ownership**	**General flora**	**Genreal fauna**	**Major Uses**	**User group**	**Management practices**	**General uses**	**Assocaited TK**	**Other details**	**Community accessed**
Nil	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**	**Nil**

Format-10:- Soil Type

1	2	3	4	5	6	7	8
Soil Type	**Colour and Texture**	**Features**	**Soil Management**	**Plan and Crops suitable**	**Flora and auna**	**Associated TK**	**Other information**
Loamy, Sandy, Clay	Dar kbr ownt o bl ack(Sandsl i tcl ay)	Fer t i l er i chi n or gani cmat t er , hi ghmi ner al cont ent	Needs r egul ar bal anced f er t i l i zer cr op r ot at i on& mul chi ng et	Paddy	Wal nut, Appl e , Apr i cot , Pl um Cow, Buf f al o, Sheep, Goat s, Hor se		Landi sSl opy , Loose &sl i di ng

Format 11: Fruit Trees

1	2	3	4	5	6	7		8	9	10	11	12	13
Plant	**Scientific Name**	**Local Name**	**Variety**	**Habit**	**Landscape /Habitat**	**Local Status**		**Source of Seeds / Plants**	**Season of fruiting**	**Usage**	**Associated TK**	**Other Details markt / own use**	**Community /Knowledge Holder**
						Past	**Present**						
Apple	*Malus x domestica Borkh.*	Sabe	Red Delcious, Golden Delocious, Maharaji, American etc.	Tree, regular bearing	temperate hills	Rare	Plenty	Nurseries	Aug- Oct.	fruit, value addition		Maketing , own use	
Pear	*Pyrus spp.*	Nakh	Patharnakh, China pear	Tree, regular bearing	Mid hill	Plenty	Plenty	Nurseries	Aug-Sept	fruit		own use	
Peach	*Prunus persica(L.) Batsch.*	Aaroo	July Elberta, Quetta	Tree, regular bearing	mid hill	Rare	Rare	Nurseries	June-july	fruit		Maketing , own use	
Apricot	*Prunus armeniaca*	Khubani, Sadi	local apricot, Bebco	Tree, regular bearing	Mid hills	Plenty	Plenty	Nurseries	June-july	fruit		own use	
Walnut	*Juglans regia*	Akrote	Paper shelled, Thin shelled, hard shelled medium shelled	Tree, regular bearing	Temperate hills	Plenty	Plenty	Nurseries, locally raised	sept-oct	dry fruit		Maketing , own use	
Pecannut	*Carya illinoenis*	Pecan	western shell	Tree, regular bearing	Mid/temperate hills	Rare	Rare	Nurseries	Sept-Oct	Dry Fruit		Marketing	
Plum	*Prunus salicinia*	Aaloo Bukhara	santa rosa, Allo Bukhara	Tree, regular bearing	Mid Hills	Rare	Rare	Nurseries, locally raised	July-august	fruit		Maketing , own use	
Persimmon	*Dios spyrus*	Amlook	Local	Tree, regular bearing	Mid/temperate hills	Rare	Rare	locally raised	July-august	fruit		Marketing	

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**	**Location Status**		**Uses (usage)**	**Part used**	**Associated TK**	**Other details market/own use**	**Community know Holders**
						Past	**Present**					
Herb	Pudina	*Mentha spicata*	Local/wild	Temperate	Cultivated/naturally grown	available	Available	To cure infection	Leaf	Cure infection		
Herb	Tamatar	*Solanum lycopersicum*	Local	Temperate	Cultivated	available	Available	To reduce heart diseases, kidney stones and gall bladder stones	Fruit	Cure heart and stone diseases	Fruit	
Herb	Dhaniya	*Coriandrum sativum*	local	Temperate	Cultivated	Available	Available	Used for loss of appetite, tooth aches	Seeds	Cure pain	Seeds	
Herb	Guchi	Morchella vulgaris						Medicinal use				
Shrubs	Rasound	*Berberis lycum*						Medicinal Use	Roots	N.A	Commercial/ Own	Generally, held by community
	Akhrot	*Juglans regia*						Generally, held by community				
	Timbru	*Zanthoxylum armatum*										
	Trimbal	*Ficus auriculata*										

	Jungli Pudina	*Mentha arvensis L*										
	Kandeli											
Tree	Kainth	*Pyrus pashia*						Leaves, fruits	Leaves are used for staining purposes and fruits are edible	Traditional Medicines	-	Self observed
Tree	Draink	*Melia azedarach*						Antioxidant, antianalgesic, antidiabetic	Leaves and Seed	Own use	-	Self observed
	Sonf	*Foeniculum vulgare*										
Herb	Banafsha	*Viola odorata*						*Throat problem,Cold,cough*	Flower			

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**
Ornamental plants	Fig	*Ficus carica*	-	Fellow land	Non- commercial	Ornamental	Used in traditional medicine	Foliage for milch animals	Horticulturist/ Forest officials/ floriculturists.
Ornamental tree	Rose HT	*Rosa spp.*	-	Gardens /lawns	Non- commercial	Ornamental/ landscaping	Rose petals used as anti-septic etc.	Flowers in june	Floriculturist /forest officials
Ornamental tree	Rose creeper	*Rosa spp.*	-	Gardens /lawns	Non- commercial	Ornamental/ landscaping	Rose petals used as anti-septic etc.	Flowers in june	Floriculturist /forest officials
Pot plants	Geranium	*Pelargonium zonale*	-	Private buildings	Non- commercial	Ornamental/ landscaping	Rose petals used as anti-septic etc.	Flowers in june	Floriculturist /forest officials
Pot plants	Sedum	*Sedum spectabile*	-	Nursery	Non- commercial	Ornamental/ landscaping	Rose petals used as anti-septic etc.	Flowers beautiful	Floriculturist /forest officials
Creeper	Periwinkle	*Catheranthus sp*	-	Gardens/lawns	Non- commercial	Ornamental/ landscaping	Rose petals used as anti-septic etc.	Flowers beautiful	Floriculturist /forest officials

Creeper	Rose creeper	*Rosa sps.*	-	Gardens/lawns	Non- commercial	Ornamental/ landscaping	Rose petals used as anti-septic etc.	Flowers beautiful	Floriculturist /forest officials
Creeper	China aster	*Callistephus chinensis*	-	Gardens/lawns	Non- commercial	Ornamental/ landscaping	Mass planting in summers	Flowers beautiful	Floriculturist /forest officials
Creeper	Forest daisy	*Chrysanthemu morifolium*	-	Gardens/lawns	Non- commercial	Ornamental/ landscaping	Good flowers	Flowers beautiful	Floriculturist /forest officials
Creeper	Fox glove	*Digitalis purpurea*	-	Forests	Non- commercial	Ornamental/ landscaping	Used to treat congestive heart failure	Summer flowering	Floriculturist /forest officials

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**					
Tree	Walnut	*Juglans regia*	Temperate	Least	plenty	Wild , home	Furniture, tooth cleaner	Wood used for furniture	unknown	
Tree	Banj	*Quercus incana*	Temperate	Plenty	plenty	Wild	Firewood	Wood used for furniture	Unknown	
Tree	Apricot	*Prunus armeniaca*	Temperate	Least	plenty	Wild, home	Furniture, firewood	Wood used for furniture	Unknown	
Tree	Peach	*Prunus persica*	temperate	Least	plenty	Wild, home	Firewood	Wood used for furniture	Unknown	
Tree	Kharsoo	*Quercus semicarpifolia*	Temperate	Plenty	plenty	Wild	Firewood	Wood used for furniture	unknown	
Tree	Khau	*Olea cuspidata*	Temperate	Plenty	least	Wild	Firewood	Wood used for furniture	unknown	
Tree	Keth	*Pyrus pashia*	Temperate	Plenty	least	Wild	Firewood	Wood used for furniture	Unknown	
Tree	Safeda	*Eucalyptus spp.*	Temperate	Available	Available	Wild	Furniture	Wood used for furniture	Unknown	

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	Gai	*Bos indicus*	ND	Cow Yield	Backyard	Abdundant	Dereases	Dairy	Nil	No	Milk	All
	Gai	*Bos laurus*	CB Jersey	Dished Face	Backyard/ Commericial	Very Few	Increased	Dairy	Nil	No	Milk	All
Sheep	Bhead	*Orisaries*	Local									
Goat	Bakari	*Capra Aegagrus*	Hybrid									
Equine	Horse	*Equus caballus*	Local	HT Less than 9 hands	Backyard	Less No.	Very Few	Pack Purpose	Nil	No	Pack	Bakerwal
	Mule	-	Local	HT Less than 9 hands	Backyard	Less No.	Increased	Pack Purpose	Nil	No	Local Carrying	All
Poultry	Kukarr	*Galus domesticus*	Local	Enrich Meat Flavour	Backyard	Abdundant	Dereases	Egg & Meat	Nil	No	Egg & Meat	All
	Farmi Kukarr	*Galus domesticus*	Chabro	Good Eggar	Backyard	Abdundant	Increased	Egg & Meat	Nil	No	Egg & Meat	All
	Broiler	*Galus domesticus*	Hybrid	White In Colour	Deep Litter	Abdundant	Increased	Only Meat	Nil	No	Only Meat	All
Canine	Kuttar	*Canis familaris*	Local	ND	Stray	Abdundant	Abdubdant	Guarding Purpose	Nil	No	Nil	Non Specific
Feline	Balai	*Felis catus*	ND	Grey Coloured	Stray	Abdundant	Abdubdant	To Kill Rats	Nil	No	Nil	Non Specific

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**					
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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

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

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

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**					
Plant	Bankakri	*Podophyllum hexandrum*	Plant				Commercial, own use	Fruit		It has been found to be effective in controlling skin diseases and recently attracted attention for use in certain form of cancer	
Herb	Banafsha	*Viola ordorata*	Herb				Commercial, own use	Flower		Flowers are used in perfumery and are also used medicinally as demulcent and biliousness and lungs troubles	
Trees	Kainth	*Pyrus paschia*	Trees				own	Leaves	nil	nil	Generally, held by community
Tree	Draink	*Melia azedarach*	Tree				Own Use	Leaves/Wood			Self observed
Trees	Trimbal	*Ficus auriculata*	Trees				own	Leaves/Fruit	nil	nil	Generally, held by community
Shrubs	Rasound	*Berberis lycum*	Shrubs				Commercial / own use	Root	used for medicinal purposes	N.A	Generally, held by community
Herb	Pudina	*Mentha arvensis*	Wild				Own use				
Herb	Methi	*Trigonella foenum-graecum*	Annual plant				Spice	Leaves			

Tree	Apricot	*Prunus armeniaca*	Temperate				Furniture, firewood	Wood used for furniture	Unknown		
Tree	Dudaya	*Wrightia arborea*									
	Timbru	*Zanthoxylum armatum*									
	Kandeli										
Tree	Kahu	*Olea cuspidata Wallich ex G. Don*	Grow Annually	Forest	Plenty	Rare	*bark used for fracture, leave use for treatment of malaria, UTI*	Bark,Leaves			
Trees	Banj	*Quercus Incana*									
Herbs	Dhoop	*Jurinea dolomiaea*									

Format 19: Wild Plant Species of Importance

1	2	3	4	5	6
S.No.	**Local Name**	**Scientific Name**	**Variety**	**Importance (economic,social,cultural etc.)**	**Status**
1	Akhroot	*Juglans regia*	Wild	Economically important as farmer fetches good price, socially important for different cuisines, improves good cholesterol	Available
2	Bhang	*Cannabis sativa*	Wild	Commercial extraction banned, given to animals to improve their health	Available
3	Wild Pomegranate	*Punica grantum*	Wild	Used in making chutney	Available
4	Guchi Mashroom	*Morchella esculenta*	Wild	Dried and sold which fetches Rs.10000-15000 per Kg used in making pulao (cuisine), as aphrodisiac in medicine	Available
5	Saloi	*Boswellia seerata*	Wild	**economic, social**	Available
6	Banj	*Quercus Incana*			
7	Shisham	*Dalbergia sissoo*	Sub Tropical	Available	Available

8	Kau	Olea cuspidata		economic	Rare
9	Kiker	*Acacia nilotica*			
10	Tuni	*Toona ciliata*	Tree	Lower shiwalik	Abundant
11	Timbru	*Zanthoxylum armatum*			
12	Santha	*Dodonaea viscosa*			

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**				
Rainbow trout	Salmogairdneri	Introduced	Body comparatively stout and deep, two dorsal fins present , ist having soft rays and 2nd one adipose, a red rainbow like band present on sides, Lateral line present & innumerable black spots found on lateral line	Colder pockets, snow fed areas	Available	Available	Commercially Important Fish Food and sports fish (angling)		Mode of catching : Rod Availability : Round the year Breeding Season : December to February	Fisheries Deptt. & Anglers

Format 21: Wild Aquatic Plant Species of Importance

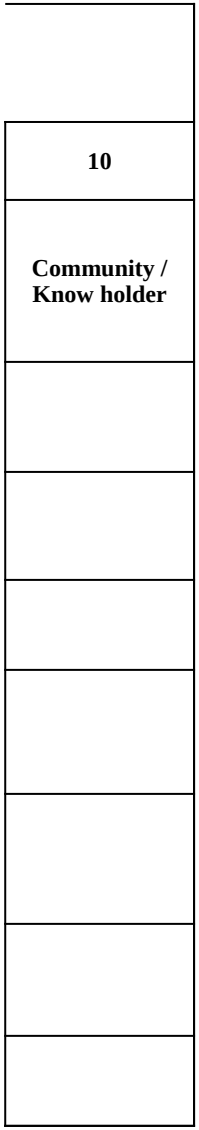
1	2	3	4	5	6
S.No.	**Local Name**	**Scientific Name**	**Variety**	**Importance (economic,social,cultural etc.)**	**Trends**
Nil	Nil	Nil	Nil	Nil	Nil

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**	**Part used**	**Other details market/own use**	**c.knowledge holder**
					Past	**Present**					
Plant	Bankakri	*Podophyllum hexandrum*	Wild	Temperate	Available	Available	NIL	It has been found to be effective in controlling skin diseases and recently attracted attention for use in certain form of cancer	Fruit	Market,own use	
Tree	Kainth	*Pirus serotina*									
Tree	Drankh	Melia azedarach									
Tree	Apricot	*Prunus armeniaca*									
Tree	Trimbal	*Ficus auriculata*									
Shrubs	Rasound	*Berberis lycum*									
Herb	Jungli Pudina	*Mentha arvensis L*									
Trees	Kandla	*Premna Serratifolia*									
Herb	***Sonf***	*Foeniculum vulgare*									
Herb	Methi	*Trigonella foenum-graecum*									
Herbs	Guchi	*Morchella esculanta*									
Herbs	Kau	Olea cuspidata									
	Timbru	*Zanthoxylum armatum*									

Format 23: Wild relatives of Crops

1	2	3	4	5		6	7	8	9
Local Name	**Scientific Name**	**Associated crop**	**Landscape / Habitat**	**Local Status**		**Uses (usage)**	**Part Used**	**Associated TK**	**Other details**
				Past	**Present**				
Daru	*Berberis aristata*								
Apricot	*Prunus armeniaca*								
Ber	*Ziziphus jujuba*								
Sonf/Bodiyana	*Foeniculum vulgare*								
Methi	*Trigonella foenum-graecum*								
Garlic	*Allium sativum*								
Akhrot	*Juglans regia*								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Know holder

Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	**Scientific Name**	**Variety**	**Habitat**	**Commercial/non-commercial uses**	**Associated Tk**	**Any other detail**	**Community knowledge holder**
Panj Tara	*Largerstromia indica*	-	Do	Do	Rose petals used as antiseptic, rose hips high in vit.c	Flowers may-june	Do
Gulab	*Rosa rubiginosa*	Wild	Forest	Non commercial	Nil	Nil	
Kagaz posh	*Bougainvillea*	Wild	Forest	Non commercial	Nil	Nil	
Gutta	*Tagetes patula*						

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**	**Part used**	**Ass.TK**	**Other details**	**Community knowledge holder**
					Past	**Present**					
Herb	Pudina	*Mentha spp.*									
Herb	Methi	*Trigonella foenum-graecum*									
	Sonf/Bodiyana	*Foeniculum vulgare*									
Shrub	*Bana*	*Vitex negundo*									
Tree	Besa	Salix Alba									
	Dhania	*Coriandrum sativum*									
	Timbru	*Zanthoxylum armatum*									
	Kembal	*Lannea coromandelica*									

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**	**Any other detail**	**Community knowledge holder**
			Past	**Present**				
Deodar	*Cedrus deodar*	Tree	Forest , temperate	Dense	Less dense	Commercial, own use	Furniture, roofing	Self observed
Kail	*Pinus wallichiana*	Tree	Forest , temperate	Dense	Less dense	Commercial, own use	Furniture, roofing	Self observed
Akhrot	*Juglans regia*	Temperate areas						
Kau	Olea cuspidata							
Banj	*Quercus incana*	Temperateareas						

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					

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					

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**	**Ass. TK**	**Mode of hunting**	**Other details**	**Community/ Knowledge Holder**
						Past	**Present**					
Mammal Carnivore	Chitra	*Panthera pardus*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Mammal	Reech	*Selenarctos thibetanus*	Forest		Summer season	Available	Less	No		Prohibited	Maintains forest ecosystem	
Mammal	shal	*Herpetes auropunctatus*	Forest		summer	Available	Less	No		Prohibited	Maintains forest ecosystem	
Mammal	Gidh	*Cains aureseus*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Rodent	Navel	*Lepus nigricollis*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Bird	Chakor	*Alectoris graeca*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Bird	Ghugi	*Streptopelia decaocto*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Bird	Khukhow	*Clamator Jacabinu*	Forest		Spring season	Available	Less	No		Prohibited	Maintains forest ecosystem	

Bird	DhikCharak	*Picus cholorolophus*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Bird	Kova	*Corvus macrorhynchos*	Forest		All time	Available	Less	No		Prohibited	Maintains forest ecosystem	
Snake	Surf /sap		Forest /water		summer	Available	Less	No		Prohibited	Maintains forest ecosystem	
Fishes	Machli	*Himalayan trout*	water		All time	Available	Available	No		Prohibited	Maintains forest ecosystem	
	Cold Snake											
	Gonas snake											
	Bichu	*Typhlochactas mitchelli*										
	Rat	*Terera Indica*										

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	Gutta	Tagetes Patula		Terrestrial/Subtropical	Grows round the year	Common
2	Gulab	Rosa spp		Terrestrial/Subtropical	Perennial flower	Common
3	Guldaudi	Chrysanthemum spp.		Terrestrial/Subtropical	Winter flower	Common
4	Panj Tara	Largerstromia indica		Terrestial, Intermediate	Pink flowers	Common

Format 30: Fauna

1	2	3	4	5	6
Sr. No.	**Local Name**	**Scientific Name**	**Type of Animals (Mammals / Birds / Fish / Insect etc.)**	**Habitat**	**Remarks (Rare / Common etc.)**

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

End of Part II