

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: SURANKOTE UPPER

Taluk/Tehsil: Surankote

District: Poonch

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti:

Population Of the Panchayat samiti... Total 3065

Male= 1655

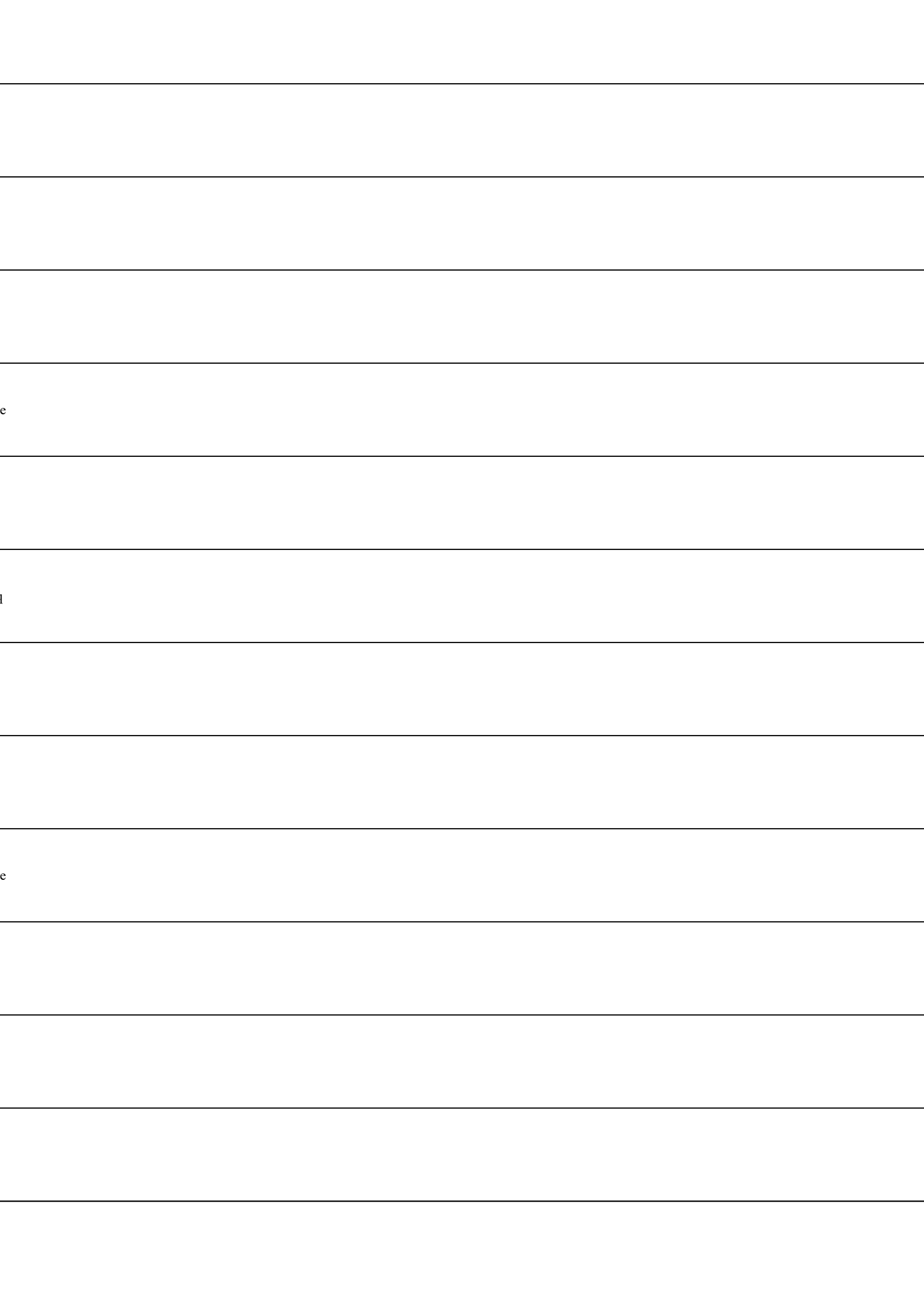
Female = 1410

Habitat and Topography: Hilly area

Climate (Rainfall, Temperature and other weather patterns): cold Temperature

Land Use (Nine fold classification available with village records):

Date, Month and Year of PBR preparation: 24-09-2021



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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 :

Age:

GENDER:

Address:

Area of specialization:

Location from which the person accesses biological material: local/non local

Perception of the practitioner on the resource status: less local resources available

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 : Mohd. Bashir

Age: 48 years

Gender: Male

Address: Surankote upper

Area of specialization: Agriculture & Forestry

2) Name :

Age:50

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

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:

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

Annexure 5

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

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 seed/plants	Community/Knowledge holder
						Past	Present							
Maize	<i>Zea Mays</i>	Makh	Bio-9621, K-6129, K-65, GG, star -9, 4794,DD , 7314	Hilly, Temperate & intermediate areas of district	24000 Hac.	Local varieties	Improved varieties	1.March to April sown	Kharif	1. Major food item	Staple food	-	Farmers kept seed, Deptt. of Agri, Private seed dealer	Generally aged farmer or rural communities
								2.Local variety dentles		2. Feeding to poultry and cattle				
								3.Corn and flour sweet in taste		3 .Used as flour				
										4. Straw used as dry fodder				
Wheat	<i>Triticum astivum</i>	Kanak	HD -2967, HD 3086	Hilly, Temperate & intermediate areas of district	15000 hac.	Moond	Improved varieties	2. Resistant to pest	Rabi	2.Straw used as dry fodder	Staple food	-	Seed selected from previous yr. crop, deptt. of agri.	Local faming communities
								3. susceptible to all kind of rust		3.Pre mature crop used as fodder				
								4. Drought resistant						
Garlic	<i>Allium sativum</i>	Thoom	Yamuna Safed(G-1,G-50,G-282), German	Hilly, Temperate & intermediate ar. of distt.	50 hac.	Local varieties	Improved varieties	1.Disease resistance variety	Rabi	As a spice	-	-	Seed selected from previous yr. crop,	Local faming communities
								2. 5-8 cloves						

			White				3. Rich and spicy in flavour						
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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						
Tree	Citrus Spp	Nimbu	Local	Sub-tropical	Rare	Common	Nurseries	Throughout the year		Fruits, pickeling	Market use	Community holder
Tree	Pyrus spp	Nakh	Local	Sub-tropical	Rare	Common	Nurseries	Throughout the year		Fruits	Market use	Community holder

Format-3 Fodder Crops and Species

1	2	3	4	5		6	7	8	9	10
PLANT	LOCAL NAME	SCIENTIFIC NAME	LANDSCAPE/ HABITAT	LOCAL STATUS		SOURCE OF PLANT/SEEDS	PART USED	ASSOCIATED TK	OTHER DETAILS	COMMUNITY/ KNOWN HOLDER
				PAST	PRESENT					
OATS	Khandiyaal	<i>Avina Sativa</i>	Hilly, Temperate & areas of district	Rare	Improved varieties	Seed selected from previous yr. crop, deptt. of agri	Grain for seed purpose, Green/ dry fodder	Nutritious and palatable fodder	Suitable for fodder	Farmer
BAJRA	Bajra	<i>Pennisetum glaucum</i>	Hilly, Temperate & areas of district	Local varieties	Improved varieties	Seed selected from previous yr. crop, deptt. of agri	Green/ dry fodder	Nutritious & Source of energy	Suitable for fodder	Farmer
SORGHUM	Chari	<i>Sorghum bicolor</i>	Hilly, Temperate & areas of district	Local varieties	Improved varieties	Seed selected from previous yr. crop, deptt. of agri	Green/ dry fodder	Nutritious & Source of enrgy	Suitable for fodder	Farmer

Format-4 Weeds

1	2	3	4	5	6	7		8	9	10	11	12
PLANT	LOCAL NAME	SCIENTIFIC NAME	AFFECTED CROP	IMPACT	LANDSCAPE/HABITAT	LOCAL STATUS		USES IF ANY	MGMT. OPTION	ASSOCIATED TK	OTHER DETAILS LIKE EXOTIC	COMMUNITY/ KNOWN HOLDER
						PAST	PRESENT					
	Bermuda Grass	<i>Cynodon dactylon</i>	Maize		Hilly, Temperate & intermediate ar. of distt	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed
	Zehar bael	<i>Ipomea sp.</i>	Maize		Hilly, Temperate & intermediate ar. of distt	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed
	Dheloo	<i>Cyprus rotundus</i>	Maize		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed
	Ghass	<i>Cyprus esculantus</i>	Maize		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed
MAIZE	Bathua	<i>Chenopodium album</i>	Maize		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	Used as vegetable	Manual control/ Chemical mgmt. through herbicides	nil	nil	No TK associated with knowledge of weed
WHEAT	Gully danda	<i>Phalaris minor</i>			Hilly, Temperate & intermediate ar of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	Source for high quality protein	Local	No TK associated with knowledge of weed

	Jhadii	<i>Parthenimum hysterophorous</i>	All crops		Hilly, Temperate & intermediate areas of district	No weed mgmt.	Weed mgmt. on scientific lines being followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	Abnoxious weed difficult to control	Exotic	No TK associated with knowledge of weed
All crop	Jangali palak	<i>Rumex crispus</i>	All crops		Hilly, Temperate & intermediate ar of distt	No weed mgmt.	Weed mgmt. on followed by farmers	Used as vegetable	Manual control/ Chem. mgmt. herbicides	nil	nil	No TK associated with knowledge of weed

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
WHEAT	Field Rats	<i>Bendicota bangalensis, Torera indica, Millardia meltada</i>		All fields	All season	· Traps and chemicals	nil	nil	Nil
	Cut worm	<i>Agroris sp.</i>	-	Maize	April to May	· Chemical mgmt. through insecticide (phorate)	nil	nil	Nil
MAIZE	Stem Borer	<i>Chilo partellus</i>	-	Maize	June to July	· Ploughing of filed after harvest and destroy stubbles & weeds	nil	nil	Nil
						· Distruction of infected plant and removal of dead herts			
						· Chemical mgmt. through insecticide			
	Cob Worm	<i>Helicoverpa armigera</i>	-	Maize	June to July	· Deep summer ploughing	nil	nil	Nil
						· Installation of pheromone traps for monitoring			
						· Chemical mgmt. through insecticide			
	Blister Beetel	<i>Mylabris pustulata</i>	Khundii	Maize	June to August	· Avoid excessive use of nitrogenous fertilizers	nil	nil	Nil
						· Manual collection or collection with insect net and killing of adults in kerosenized water			
						· Need based spray of carbaryl and fenthione			

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	User	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow Land					fauna	groups					
Cultivated Land	Not Applicable	Not Applicable	Cultivated Land		Agricultural Land are Privately owned	Fodder and Crop Plants	Insects,Snakes, Dogs,Fox,Jackels etc	Nil	Nil	Nil		Nil	Low-Income community
Non-Cultivated Land	Not Applicable	Not Applicable	Non-Cultivated Land		Govt./Private	Wild plants and Fodder Plants	Insects,Snakes, Dogs, Fox, Jackels etc	Nil	Nil	Nil		Nil	Low-Income community

Format-10 Soil Type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Sandy and clay soil	Clayey loam, sandy loam,	Fine Granular, Dub-Angular Blocky Structure having pH 7.8-8.3, Water Holding capacity more than 40%	Use of Organic matter	Maize, Wheat	-	-	-
Black soil	Black & Soft		Use of Organic matter	Maize, Wheat			



Format-11 Fruit Trees

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						
Apple	Seb	<i>Malus domestica</i>	Red delicious	Low land velley	Rare	Rare	Local preserve	Jun-July	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Apricot	Khobani	<i>Prunus armenica</i>	Beboco char magaz	Low land velley	Rare	Common	Local preserve	March April	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Plum	Lucha	<i>Prunus subg prunus</i>	Local	Low land velley	Common	Common	Local preserve	April May	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Peach	Aru	<i>Prunus percia</i>	Local	Low land velley	Common	Common	Local preserve	April May	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Pear	Bagu Gosha	<i>Pyrus spp.</i>	Local	Low land velley	Common	Rare	Local preserve	Jun July	Rich source of Vit. C	Rich source of Vit. C	Own use/ commercial	
Lime	Nimbu	<i>Citrus aurenticafolia</i>	Kagazi	Low land velley	Rare	Common	Local preserve	Aug Sept	Rich source of Vit. C	Rich source of Vit. C	Own use/ commercial	
Wall nut	Akhroot	<i>Junglans regia</i>	kagazi	Low land velley	Available	Available	Natural	Sept. Oct	Rich in oil mineral & vit.	Rich in oil mineral & vit.	Own use/ commercial	

Format-12 Medicinal Plants (Herb, 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 use	Community/ Know. Holders
						Past	Present					
Shrubs	Trimuru	<i>Zanthoxylum aurmatum</i>	Local	Sub-tropical	Seed	Abundant	Abundant	Good for Cleaning Teeths.	Stem / Seed	N.A	N.A	Generally, held by community
Shrubs	Anardana	<i>Punica granatum</i>	Local	Sub-tropical	Seed	Rare	Rare	Edible	Fruit	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativia</i>	Local	Sub-tropical	Seed	Abundant	Abundant	Medicinal use	Leaves	N.A	N.A	Generally, held by community
Trees	Bair	<i>Ziziphus xylocarpa</i>	Local	Sub-tropical	Seed	Rare	Rare	Medicinal use	Fruit,Leaves	N.A	N.A	Generally, held by community

Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ Know. holder
Tree	Harduli	<i>Rhododendron arboreum</i>	Local	Natural	Non-Commercial	Medicinal use			Knowledge holder

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	Chir	<i>Pinus roxburghii</i>	Sub-tropical	Rare	Rare		Roofing, furniture etc.	nil	nil	
Trees	Rein	<i>Quercus incana</i>	Sub-tropical	Rare	Common	Wild	Roofing, furniture etc.	Medicinal	nil	Knowledge holder

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	Ghan	<i>Bos indicus</i>	ND	Low yield	Backyard	Abdulant	Decreased	Dairy	Nil	No	Milk	All
	Jersey Ghan	<i>Bos iaurus</i>	CB Jersey	Dished Face	Backyard/Commrcial	Very few	Increased	Dairy	Nil	Yes	Milk	All
Mammal	Manj	<i>Bubales bubalis</i>	Local	Low yield	Shed	Abdulant	Decreased	Dairy	Nil	No	Milk	Gujjar Community
Horse	Ghora	<i>Equus caballus</i>	Local	Red cloured Body	Backyard	Abdulant	Decreased	Pack Purpose	Nil	No	Pack	Bakerwal

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					
Trees	<i>Ficus palmata</i>	Fagwara	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	<i>Pyrus paschia</i>	Kainth	Trees	Sub-Tropical	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	<i>Acacia Nilotica</i>	Kiker	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	<i>Eucalyptus spp.</i>	Safeda	Trees	Sub-Tropical	Rare	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	<i>Morus alba</i>	Tooth	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community

Shurbs	<i>Zantho Xylum Aurmatum</i>	Trimuru	Shurbs	Sub-Tropical	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	<i>Punica granatum</i>	Anardana	Shurbs	Sub-Tropical	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	<i>Ipomea fistulosa</i>	Akk	Shurbs	Sub-Tropical	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Thor/Shuu	<i>Euphorbia royleana</i>	Shurbs	Sub-Tropical	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Shurbs	<i>Canabis sativia</i>	Bhang	Shurbs	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	<i>Cyanodon dactylon</i>	Drub/Khabbal	Grass	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Kai/Kaana	<i>Saccharum spontaneum</i>	Grass	Sub-Tropical	Common	Common	own	Stem	nil	nil	Generally, held by community

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	Akhroot	<i>Juglans regia</i>	Wild	Economic, social	Rare
2	Bhang	<i>Cannabis sativa</i>	Wild	Economic, social	Common
3	Wild anaar	<i>Punica granatum</i>	Wild	Economic, social	Rare

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				
Luss	<i>Schizothorax spp.</i>		elongated subcylindrical body with short		Rare	Common		Nil		
			blunt upper jaw , herbovorous							
Machi	<i>Barillius sp.</i>		omnivorous body very long and much		Common	Rare	As food	Rich in protein		
			compressed sides irregularly marked with							
			numerous incomplete oblique spots							

Format-21 Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Khore	Juglans regia	Wild	Economic, Social	Common
2	Bhang	Canabis sativa	Wild	Medical purpose	Common

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					
Herb	Patrees	<i>Aconitum heterophyllum</i>	Herb					It is an excellent tonic for combating ability after malarial & other fevers & diseases	Roots		
Shrub	Simlu	<i>Berberis lyceum</i>	Shrub					It is an excellent tonic for combating ability after malarial & other fevers & diseases	Fruit, roots		

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 / Know holder
				Past	Present					
Ban khori	<i>Aesculus indica</i>	Akhrot	Scattered	Available	Available		Fruit / leaves			
Jungli putna	<i>Mentha arvensis</i>	Putna	Along the Nalla's	Rare	Rare	Medicinal use	Laef	Medicinal Properties		Generally, held by community

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					
Shrub	Trimuru	<i>Zanthoxylum</i>	Local	Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit, Branches	-	-	Generally, held by community
		<i>aurmatum</i>									
Shrub	Bana	<i>Vitex negundo</i>	Local	Locally present	Rare	Rare	use for teeth Cleaning	Branches	-	-	Generally, held by community
Tree	Kiker	<i>Acacia Nilotica</i>	Local	Forest	Rare	Rare	use for teeth Cleaning	Branches	-	-	Generally, held by community

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				
Chir	<i>Pinus roxburghii</i>	Sub-tropical	Rare	Rare	Roofing, furniture etc.	Whole for different uses		
Oak	<i>Quercus incana</i>	Sub-tropical	Moderate	Moderate	Roofing, furniture etc.	Whole for different uses		
Besa	Salix alba	Sub-tropical	Common	Rare				

Format - 28. Wild Animals (Mammals, Birds, Reptiles, Amphibians, 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					
Mammal	Black bear	<i>Ursus thibetanus</i>				Common	Rare		Prohibited		Maintains forest ecosystem	
Mammal	Leopard	<i>Panther pardus</i>				Common	Rare		Prohibited		Maintains forest ecosystem	
Bird	House crow	<i>Corvus splendens</i>				Available	Available		Prohibited		Maintains forest ecosystem	
Bird	Koel	<i>Eudynamys scolopaceas</i>				Available	Available		Prohibited		Maintains forest ecosystem	

Format 29: Flora

1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Ban khori	<i>Aesculus indica</i>	Tree	Sub-tropical	April-May	Common
2	Kiker	<i>Acacia Nilotica</i>	Tree	Sub-tropical	May-June	Common
3	Khore	<i>Juglans regia</i>	Tree	Sub-tropical	July-sept	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.)
1	Ged	<i>Canis aureus</i>	Mammals	Forest	Common
2	Tluva	<i>Tatera indica</i>	Pest	Agricultural field	Common
3	Gha	<i>Bos Taurus</i>	Mammals	Local	Common

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks