

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti Kasallian

Taluk: Poonch

District: Poonch

State: Jammu and Kashmir

Geographical Area of the Panchayat Samiti: 637 Hectares

Population under the Panchayat Samiti: Total 2177

Male 1214

Female : 963

Habitat and Topography:

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation

## 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: Mohd Sadiq , 8492809614

Age: 52 years

Gender: Male

Address:

Area of specialization:

2) Name: Rashida Bi

Age: 50

Gender:Female

Address:

Area of specialization:

3)Name: Yasmeen Begum

Age:30

Gender:Female

Address:

Area of specialization:

4)Name: Qadir Hussain

Age: 50 year

Gender: Male

Address:

Area of specialization:

5)Name: Mozair Ali

Age: 32 years

Gender: male

Address:

Area of specialization:
6)Name: Altaf Hussain
Age: 41 years
Gender: Male
Address:
Area of specialization:
7)Name: Anayat Hussain
Age: 40 years
Gender: Male
Address:
Area of specialization: Seceretary

## 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 : 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:

2) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:



### 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: Nil

Age: 45

Gender: Male

Address:

Area of specialization:

2) Name of the Chairperson:

Age:

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: Sorab Dutta(Animal Husbandry)

2) Contact Person:

Name and Address: Mohd. Aslam(Forest)

3) Contact Person:

Name and Address: Abdul Hamid(Forester)

4) Contact Person:

Name and Address:

**ANNEXURE 5**

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

End of Part I



**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 shown	Local Status		Special features	Cropping season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Chawal	Giza , K-343, K-39	Mid hills and hilly areas of district	20 hac.	Local varieties	Improved varieties	1.Non shattering character	Kharif	1 .Major food item	Staple food	-	Farmers kept seed/Deptt. Of Agriculture	Generally aged farmer or rural communities
						Red Rice(Ranjha)		2.Highly resistant to hailstorm						
						Chandak basmati		3.Moderately resistant to blast						
								4.Late in maturity and has short bold grains						
								5.High yielding variety						
Maize	<i>Zea Mays</i>	Makh	Bio-9621, K-6129, K-65, GG, star -9, 4794,DD , 7314	Hilly, Temperate & intermediate areas of district	96	Local varieties	Improved varieties	1.March to April sown	Kharif	1. Major food item	Staple food	-	Farmers kept seed/Deptt. Of Agriculture, private seed dealer	Generally aged farmer or rural communities
					Hac.			2.Local variety dentles						
								3.Corn and flour sweet in taste						
								4. Straw used as dry fodder						
Wheat	<i>Triticum aestivum</i>	Kanak	HD -2967, HD 3086	Hilly, Temperate & intermediate areas of district	65 hac.	Local varieties	Improved varieties	1.HYV	Rabi	1. Grains used as food	Staple food	-	Seed selected from previous yr. crop. deptt. Of agri.	Local faming communities
						Moond		2. Resistant to pest						
								3. susceptible to all kind of rust						

								4. Drought resistant						
Garlic	<i>Allium sativum</i>	Thoom	Yamuna Safed(G-1,G-50,G-282), German White	Hilly, Temperate & intermediate ar. of distt.	1.8 hac.	Local varieties	Improved varieties	1.Disease resistance variety	Rabi	As a spice	-	-	Seed selected from previous yr. crop, dept. Of agri.	Local faming communities
								2. 5-8 cloves						
								3. Rich and spicy in flavour						

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

**Format-2 Fruit Plants**

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Uses	Associated TK	Other details	Community know how
					Past	Present						
Apple	Seb	<i>Malus domestica</i>	Red delicious	Low land velley	Available	Available	Local preserve	Jun-July	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Apricot	Khobani	<i>Prunus armeniaca</i>	Beboco char magaz	Low land velley	Available	Available	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	Available	Available	Local preserve	April May	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Peach	Aru	<i>Prunus persica</i>	Local	Low land velley	Available	Available	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	Available	Available	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	Available	Available	Local preserve	Aug Sept	Rich source of Vit. C	Rich source of Vit. C	Own use/ commercial	
Guava	Amrood	<i>Psidium gujava</i>	Safeda	Low land velley	Not available	Not available	Local preserve	March April	Rich source of iron & fibre	Rich source of iron & fibre	Own use/ commercial	
Grapes	Angoor	<i>Vitis venifera</i>	Local	Low land velley	Available	Available	Local preserve	Jun July	Rich source of sugur & Vit. C	Rich source of sugur & Vit. C	Own use/ commercial	
Pica nut	Kagzi akhrot	<i>Carya illinoensis</i>	Nellis, maha, barkat	Plain & sunny	Not available	Not available	Local preserve	Sept. Oct	Rich in oil mineral & vit.	Rich in oil mineral & vit.	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-3 Fodder Crops and 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					
OATS	Khandiyaal	<i>Avena sativa</i>	Hilly, Temperate & areas of district	Local varieties	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
BARSEEM	Shatalla	<i>Trifolium alexandrium</i>	Irrigated area of the district	Local varieties	Improved varieties	Seed selected from previous yr. crop, deptt. of agri	Green fodder for cattle	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
1	LOCAL NAME	SCIENTIFIC NAME	AFFECTED CROP	IMPACT	LANDSCAPE/ HABITAT	LOCAL STATUS		USES IF ANY	MGMT. OPTION	ASSOCIATED TK	OTHER DETAILS LIKE EXOTIC	COMMUNITY KNOW HOW
						PAST	PRESENT					
MAIZE	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
	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
RTCF	Wild rice	<i>Echinicola Colonum</i>	Rice	1. Grow faster than native plants & successfully compete for available nutrients, water, space & sunlight								No TK associated with knowledge of weed

	Pani Jardi	<i>Echinicola crusgalli</i>	Rice	2. Reduce natural diversity	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
	Dheloo	<i>Cyprus rotundus</i>	Rice	3. Reduce crop productivity	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
WHEAT	Bathua	<i>Chenopodium album</i>	Wheat	4. Cause human health problems such as respiratory, skin irritation	Hilly, Temperate & intermediate areas of district		Weed mgmt. on scientific lines being followed by farmers	Used as vegetable	Manual control/ Chemical mgmt. through herbicides	Rich source of protein vitamin A, calcium, Potassium & phosphorous	Local	No TK associated with knowledge of weed
	Wild oat	<i>Avena fatua</i>	Wheat		Hilly, Temperate & intermediate areas 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
	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
All crop	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
	Chingeri Sag	<i>Vicia hirsua</i>	All crops		Hilly, Temperate & intermediate ar of distt	No weed mgmt.	Weed mgmt. on followed by farmers	-	Manual control/ Chemical mgmt. through herbicides	nil	Nil	No TK associated with knowledge of weed
	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		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
RICE	Yellow Stem Borer	<i>Scirpophagai Incertulas</i>		Paddy field	August to September	Clipping of tip of seedlings before transplanting to eliminate egg masses.	nil	nil	Nil
						Need base application of triazophos or quinaphos			
	Brown Plant Hopper	<i>Nilaparvata lugens</i>		Paddy Field	August to September	Closure spaces should be avoided	nil	nil	Nil
						Alternate wetting and drying of padduy field			
						Use of light traps			
						Chemical mgmt. through insecticide			
	Green leafhopper	<i>Nephotettis virescens</i>		Paddy Field	August to September	Closure spaces should be avoided	nil	nil	Nil
						Avoid excessive use of nitrogenous fertilizers			
						Chemical mgmt. through insecticide			
	Rice Thrips	<i>Stenchaetothrips biformis</i>		Paddy Field	August to September	Dusting of carbaryl 5% or malathion 5% @ rs. 25 kg /hac	nil	nil	Nil
Rice Grasshopper	<i>Hieroglyphus banian</i>	Tridhaa	Paddy Field	June to September	Trimming the bunds	nil	nil	Nil	
					Dusting of carbaryl 5% or malathion 5% @ rs. 25 kg /hac				
WHEAT	Stem Borer	<i>Samia inferens</i>		Wheat		Need base application of triazophos or quinaphos	nil	nil	Nil
						Installation of pheromone traps for monitoring			

	Field Rats	<i>Bendicota bangalensis, Torera indica, Millardia meltada</i>		All fields	All season	Traps and chemicals	nil	nil	Nil
Maize	Cut worm	<i>Agroris sp.</i>	-	Maize	April to May	Chemical mgmt. through insecticide (phorate)	nil	nil	Nil
	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			
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				
MUSTARD	Aphid	<i>Lipaspis erisyimi</i>	-	Mustard	Mustard	Avoid late sowing & excessive use of nitrogen fertilizers	nil	nil	Nil
						Crop should be sown before 20 <sup>th</sup> oct.			
						Need base spray of dimethoate 30 EC or Methyl Demetone 25 EC			
PADDY	Grass hopper	<i>Orthoptera caelifera</i>							
	Rice Hisppa	<i>Dicladispa</i>							
VEGETABLE	Field fly	<i>Diptera</i>							



**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
Weekly	Weekly (1)	Local/ cross breed	5	Local	Poonch, Mendhar, Jammu, Surankote, Rajouri	Nil	Nil	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 People scape**

1	2	3	4	5	6	7	8	9	10	11
<b>Community &amp; Population</b>	<b>Families &amp; Major occupation</b>	<b>Sub- occupation</b>	<b>Depending Landscape</b>	<b>Major resources accessed and seasons of access</b>	<b>Landscape management practices</b>	<b>Resource management practices</b>	<b>Cast / tribe</b>	<b>Social condition</b>	<b>Nature of inhabitants</b>	<b>No. of HHs</b>
Mix & 3573	723 & Agriculture	Farming	Agriculture	Soil & Forest	Farming			Good	Good	723

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandary, 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	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											
Cultivated Land	Not Applicable	Not Applicable	Cultivated Land	393 HECTARES	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
Forest Land	Not Applicable	Not Applicable	Forest Land		Government	Wild plants	Wild animals, wild Chicken, fox, Jackel, Insects etc	Nil	Nil	Nil		Nil	Low-Income community

**Format-9 Waterscape**

1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Waterscape element type</b>	<b>Sub- type</b>	<b>Features and approx area</b>	<b>Ownership</b>	<b>General flora</b>	<b>General fauna</b>	<b>Major uses</b>	<b>User groups</b>	<b>Management practices</b>	<b>General uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community accessed</b>
Nallas	Originates from the foothills of Mountains	Govt. and Panchayat	Frog, Tadpoles, Fishes, Water, Water Snakes, Crabs etc	Wild and Aquatic Plants	Irrigation	Farmers		For Irrigation and Drinking of Domesticated animals and Wild Animals	Nil	Nil	Local Villagers	

**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	-	-	-
Red soil							
Yellow Soil							









**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
Silver Oak	Silver oak	<i>Gravilla Robusta</i>		Nature	Non commercial	Ornamentation			A few
Saroon	Saru			Stems	Non commercial	Ornamentation			do
Burnas	Hardul	<i>Rhododendronarbore</i>			Non commercial	Ornamentation			do
	Gutta	<i>Tagetes</i>							
Bushes/ Shrub	Rose	<i>Rose indica</i>							
	Daliya	<i>Dahlia pinnata</i>							
	Mor pankh	<i>Platyclusus orientalis</i>							
	bottle brush	<i>Callistemon</i>							
	Sun flower	<i>Helianthus</i>							
	rat ki rani	<i>cestrum nocturnum</i>							









**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	Parts Collected	Associated TK	Other Details	Community know how
					Past	Present					
Trees	Dhaman	<i>Grewia optiva</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Stem/Bark	nil	Nil	Generally held by community
Trees	Drankh	<i>Melia azedarach</i>	Trees	Sub-Tropical	Abundant	Rare	own	Leaves/Stem	nil	Nil	Generally held by community
Trees	Fagwara	<i>Ficus palmata</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	Nil	Generally held by community
Trees	Guvava	<i>Psidium Guajava</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	posses medicinal properties	Nil	Generally held by community
Trees	Kainth	<i>Pyrus paschia</i>	Trees	Sub-Tropical	Rare	Rare	own	Leaves	nil	Nil	Generally held by community
Trees	Kiker	<i>Acacia Nilotica</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	Nil	Generally held by community
Tree	Safeda	<i>Eucalyptus globulus</i>	Tree	Sub-tropical	Available	Available	Own use	Stem, Leaves	Medicinal Value	Nil	Generally held by community
Trees	Tooth	<i>Morus alba</i>	Trees	Sub-Tropical	Abundant	Abundant	own	Leaves/Fruit	nil	Nil	Generally held by community
Trees	Popular	<i>Populus ciliata</i>	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	Nil	Generally held by community

Shurbs	Trimuru	<i>Zantho Xylum Aurmatum</i>	Shurbs	Sub-Tropical	Rare	Rare	own	Fruit	nil	Nil	Generally held by community
Shurbs	Anardana	<i>Punica granatum</i>	Shurbs	Sub-Tropical area	Rare	Rare	own	Fruit	nil	Nil	Generally held by community
Shurbs	brankad	<i>Adha toda vesica</i>	Shurbs	Lower shiwalik	Abundant	Abundant	own	Flower	nil	Nil	Generally held by community
Shurbs	Akk	<i>Ipomea fistulosa</i>	Shurbs	Lower shiwalik	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	Bhang	<i>Canabis sativia</i>	Shurbs	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	Nil	Generally held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>	Herbs	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	Nil	Generally held by community
Herbs	Banfsha	<i>Viola odorata</i>	Herbs	Sub-Tropical	Abundant	Abundant	own	Flower	nil	Nil	Generally held by community
Grass	Drub/Khabbal	<i>Cyanodon dactylon</i>	Grass	Sub-Tropical	Abundant	Abundant	own	Leaves	nil	Nil	Generally held by community
Grass	Kai/Kaana	<i>Saccharum spontaneum</i>	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	Nil	Generally held by community
	Bhaan	<i>Dendrocalamus strictus</i>					own		nil	Nil	Generally held by community

	Simlu	<i>Berberis aristata DC</i>					own		nil	Nil	Generally held by community
	Khabal	<i>Cynodon dactylon</i>					own		nil	Nil	Generally held by community
	Ganachhi						own		nil	Nil	Generally held by community
	Kankoliya						own		nil	Nil	Generally held by community
	kalyad	<i>Ficus tsjahela</i>					own		nil	Nil	Generally held by community
	Brainkad	<i>Adhadoda vasica</i>					own		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	Social and Economic	Available
2	Bhang	<i>Cannabis sativa</i>	Wild	Social and Economic	Available
3	Wild Anar	<i>Punica granatum</i>	Wild	Social and Economic	Available

**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				
Frog	Nil			Nil		Nil	Nil			
Sakred	Nil			Nil		Nil	Nil			

**Format-21 Wild Aquatic Plant Species of Importance**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>Sl. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance</b>	<b>Trends</b>
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(usage)	Part used	Other Details market/ own use	Community Knowledge Holder
Herbs	Banfsha	<i>Viola odorata</i>	Herbs	Lower shiwalik/ Temperate area	Abundant	Abundant	own	Flowers aer used ini perfumery & are also used medicinally as demulcent and billiousness & longs trouble3			
Trees	Simlu	<i>Berberis lyceum</i>		Sub-Tropical	Available	Available	It is an excellent tonic for combating ability after malarial & other fevers & diseases	Fruit, roots			
Trees	Kikar	<i>Acacia nilotica</i>		Sub-Tropical	Available	Available					
Trees	Bhang	<i>Cannabis Sativa</i>		Sub-Tropical	Available	Available					
Trees	Reetha	<i>sapindus mukorossi</i>		Sub-Tropical	Available	Available					
Trees	Toot	<i>Morus Alba</i>		Sub-Tropical	Available	Available					
Trees	Draink	<i>Melia azedarach</i>		Sub-tropical	Available	Available					
Herbs	Giloe	<i>Tinospora sinensis</i>	Wild	Sub-tropical	Available	Available					



**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8	9
Plant type	Local Name	<i>Scientific name</i>	Variety	Landscape/Habitant	Commercial / Non-commercial	Associated TK	Other Details	Community / Knowledge Holder
Shrubs	Gandera	<i>Nerium oleander</i>		Near the nalla's	Non-Commercial	N.A	N.A	
Shrubs	Aloe vera	<i>Aloe barbadensis</i>						
Shrubs	Bottle brush	<i>Callistemon spp.</i>						
Shrubs	Tulsi	<i>Ocimum sanctum</i>						
Shrubs	Gutta	<i>Garcinia gummi</i>						
Shrubs	Rose	<i>Rosa bourboniana</i>						
Shrubs	Cactus	<i>Cactaceae</i>						

**Format-25 Fumigate/Chewing Plants**

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific name	Variety	Habitant	Local status		Uses	Part use	Associated TK	Other Details	Community / Knowledge Holder
					Past	Present					
Shrubs	<i>Trimuru</i>	<i>Zanthoxylum aurmatum</i>	-	Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit, Branches	-	-	Generally, held by community
Shrubs	<i>brankad</i>	<i>Adhatoda vesica</i>	-	Locally present	Rare	Rare	Medicinal purpose	Flower	-	-	Generally, held by community
Shrubs	<i>Bana</i>	<i>Vitex negundo</i>	-	Locally present	Rare	Rare	use for teeth Cleaning	Branches	-	-	Generally, held by community
Shrubs	<i>Kiker</i>	<i>Acacia Nilotica</i>	-	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>		Rare	Rare	Roofing, furniture etc.	Whole for different uses		
Oak	<i>Quercus incana</i>		Moderate	Moderate	Roofing, furniture etc.	Whole for different uses		
Kiker	<i>Acacia Nilotica</i>							
Behra	<i>Terminalia bellerica</i>							
Manu	Ulmus							
Safeda	Eucalyptus spp.							
Hari	<i>Prunus armeniaca</i>							
Draink	<i>Melia azedarach</i>							














<b>Format 29: Flora</b>				<b>URBAN BIODIVERSITY</b>		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
<b>Sr. No.</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Type of Plants</b>	<b>Habitat</b>	<b>Flowering Season</b>	<b>Remarks (Rare / Common etc.)</b>
Nil	Nil	Nil	Nil	Nil	Nil	Nil

Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings / other institutional areas.

**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.)
Nil	Nil	Nil	Nil	Nil	Nil



### FORMAT - 31

<b>Any other information of local importance</b>		
<b>1</b>	<b>2</b>	<b>3</b>
<b>Sr. No.</b>	<b>Information of local importance</b>	<b>Remarks</b>
1	the halqa panchayat is near the loc and is affected by shelling and connected by the road constructed by bro. this area is also adjacent to the city .urban-rural continuum is clearly visible.	Nil