

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Lower Kangri
Name of taluka / Block:- Sunderbani
District: Rajouri
State: Jammu And Kashmir UT
Geographical Area of the Panchayat Samiti: 792.1 HA
Population under the Panchayat Samiti: Total 2400
Male: 1260 Female: 1140
Climate (Rainfall, Temperature and weather patterns) Subtropical with Moderate Rainfall
Land Use (Nine fold classification available with village records)
Date, Month and Year of PBR Preparation 2020-21 (Updation Date: 14-09-2022)
Management Regime: Reserve Forest (RF)/Joint Forest Management(JFM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

Annexure 1

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

1)Name of the Chairperson: Roshan Lal S/o Late Sh' Devi Dyal

Age:65 yrs

Gender: Male

Address:Thichka Kangri Lower

Area of specialization: Ex-Serviceman

2) Name: Kalesh Devi W/o Babu Ram

Age: 53Yrs

Gender: Female

Address:Kangri

Area of specialization:

3)Name: Razia Begum

Age: 36yrs

Gender: Female

Address: Thichka W No. 8

Area of specialization:

4)Name: Ved Shoor S/o Hari Shoor

Age: 47 Yrs

Gender:Male

Address: Kangri Lower

Area of specialization: Member

5)Name: Mohd Aslam S/o Kalu Khan

Age:52Yrs

Gender:Male

Address:kangri

Area of specialization: Member

6)Name: Shamsher Singh

Age: 56 Yrs

Gender: Male

Address: kangri Lower

Area of specialization: Farmer

7)Name: Rakesh Kumar

Age:42Yrs

Gender: Male

Address:Lower kangri Ward No. 7

Area of specialization:

Annexure-2

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources within the jurisdiction of the village
1) Name: Pritam Singh S/o Pyare Lal (Numberdar)
Age: 66 Yrs
Gender: Male
Address: Vill. Thichka Ward No. 10
Area of specialization: Traditional Health Care Practitioner (Human)
Location from which the person accesses biological material: From local forest
Perception of the practitioner on the resource status:
Medicinal Use: Treatment of Dislocated joint bones and injuries via Massage therapy
2) Name: Pt Munshi Ram
Age: 70Yrs
Gender: Male
Address: Lower Kangri
Area of specialization: Traditional health care practitioner
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status:
Medicinal Use: Joint & Bone Healing using <i>Litsea chinensis</i> (Maida Sak)
3) Name : Pyara Singh
Age 60 Yrs
Gender: Male
Address: Lower Kangri
Area of specialization: Traditional Health Care Practitioner
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status:
Medicinal Use: Joint and Bone healing using <i>Litsea Chinensis</i> (Maida Sak)
4) Name Pt. Pushak Raj
Age : 70 Yrs
Gender: Male
Address: Lower Kangri
Area of specialization: Traditional Health Care Practitioner (Children)
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status
Medicinal Use: Treatment of Common ailments in Children Using local medicinal plants

Annexure 3

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries and forestry
1) Name : Chaman Lal
Age: 60Yrs
Gender: Male
Address: Kangri
Area of specialization: Agriculture
2) Name :Kundan Lal
Age: 60Yrs
Gender: Male
Address: Lower Kangri
Area of Specialization :Agriculture
3) Name : Raj Kumar S/o Shiv Ram
Age: 65 Yrs
Gender: Male
Address: Kangri Ward No. 6
Area of specialization: Horticulture,Traditional healer by reciting Mantras for Snake Bite,Scorpion Bite etc (Spiritual Healer)
4) Name : Balk Ram S/o Prem Nath
Age: 63 Yrs
Gender: Male
Address: Kangri Ward No. 6
Area of specialization: Agriculture
5) Name Ved Shoor S/o Hari Shoor
Age: 62 Yrs
Gender: Male
Address:Kangri Ward No. 10
Area of specialization: Agriculture

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals in the preparation of the PBR	
1) Contact Person:	
Name and Address :	Vinod kumar (Govt. PS Thichka)
2) Contact Person :	
Name and Address :	Mohinder Pal (Govt. Middle School Thichka)
3) Contact Person	
Name and Address :	Ghani Sham Sharma (Principal Hr Sec School Bajabain)
4) Contact Person	
Name and Address :	Joginder Singh(Principal)Private Academy (International Public high School)
5) Contact Person: BMC Chairperson Contact No. 9622688620	
Name and Address:	Roshan Lal S/o Devi Dayal R/o Ward No. 6 Lower Kangri
6) Contact Person: Contact No. 9622028539	
Name and Address:	Chanchal Devi W/o Pt Raj Kumar R/o Ward No. 6 Lower Kangri
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
NA	NA	NA	NA	NA	NA

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>	Dhan/ Munji		Lowland valleys		Rare	Rare	Tall variety High yield Resistant to drought, flood, pest & diseases		Food Fodder Roofing Fuel	Provides more energy		Farmers/ Department/ Private suppliers	Farmers
Black gram	<i>Vigna mungo</i>	Mahh Dal	Mash 114	High and Plains	5.1	Plenty	Normal	Kharif sowing Dwarf & Short duration	July	Food	Protein	Protein and Phosphoric acid	Farmers/ Department/ Private suppliers	Farmers
Wheat	<i>Triticum aestivum</i>	Kanak	HD3171/ HD 1605	Low land valleys	345	Plenty	Plenty	Tall variety High yielded	October November	Food and Fodder	Provides more energy		Farmers/ Department/ Private suppliers	Farmers
Sesame	<i>Sesamum indicum</i>	Tilli	Local	Lowland Valleys subtropical/dry & cool weather	0	Normal	Normal	oilseed crop	Kharif	seeds are edible & seed oil is used for massage	sesame seeds mixed with heated jaggery is made into balls & eaten as snacks	sesame oil has antibacterial, anti inflammatory & antioxidant properties	Farmers/ Department/ Private suppliers	Farmers
Maize	<i>Zea mays</i>	Maki	Double Dacklab Kanchan	Low land valleys	314.5	Plenty	Plenty	Tall variety High yielded	Kharif	Food and Fodder	Provides more energy	Raw Corn on the cob is roasted & then consumed (Bhutta)	Farmers/ Department/ Private suppliers	Farmers
Mustard	<i>Brassica juncea</i>	Sarya/ Sarso	Local	Low land valleys Subtropical/ Dry & Cool Weather	156	Normal	Normal	oil seed crop	Rabi	leaves used as vegetable ,oil cake is used for feeding cattle	Mustard seeds & its oil is used for culinary purpose		Farmers/ Department/ Private suppliers	Farmers
Pumpkin	<i>Cucurbita moschata</i>	Petha/ Kandoli	Prevalent Hybrid Varieties	Low land valleys/ Subtropical	3	Plenty	Plenty	pumpkin is round with smooth, slightly ribbed skin, thick shell contains seed & pulp	Kharif/ Summer	Pumpkin is used for making Ambal (very popular recipe of JK)	Pumpkin seeds are dried ,fried & then eaten	pumpkin is highly nutritious particularly rich in Vitamin A	Farmers/ Department/ Private suppliers	Farmers
Bottle Gourd	<i>Lagearia siceraria</i>	Ghiya	Prevalent Hybrid Varieties	Low land valleys	1	Normal	Normal	vines vigorous profusely branched	Summer /Kharif	used as vegetable	contains essential vitamins & Minerals		Farmers/ Department/ Private suppliers	Farmers

Onion	<i>Allium cepa</i>	Ganday/ Pyaz	Prevalent Hybrid Varieties	Low land valleys	5	Plenty	Plenty	herbaceous biennial plant grown for its edible bulb	Summer /Kharif	used as vegetable	Eaten Raw and used to make Chutneys	They are pungent &Contain certain chemical substances which may irritate the Eyes	Farmers/ Department/ Private suppliers	Farmers
Okra	<i>Abelmoschus esculentus</i>	Bhindi	Prevalent Hybrid Varieties	Low land valleys	2.6	Normal	Normal	tender green fruit used as vegetable	Summer /Kharif	used as vegetable	contains dietary fibers,proteins,carbohy drates		Farmers/ Department/ Private suppliers	Farmers
Garlic	<i>Allium sativum</i>	Lehsun	Prevalent Hybrid Varieties	Low land valleys/Cool &Moist Climate	5	Rare	Abundant	Bulb	Rabi	Used as Vegetable and spice	Rich source of Vitamin C,B6,Mn		Farmers/ Department/ Private suppliers	Farmers
Bitter Gourd	<i>Momordica charantia</i>	Karela	Prevalent Hybrid Varieties	Low land valleys/Warm &Humid Climate	2.5	Normal	Normal	Herbaceous climbing annual with ridged stems	Kharif/ Summer	used as vegetable		Used for maintaining low Sugar Level	Farmers/ Department/ Private suppliers	Farmers
Potato	<i>Solanum tuberosum</i>	Aloo	Prevalent Hybrid Varieties	Plains/require cool weather		Normal	Normal	tubers are round to ovoid	Rabi	food	provides high carbohydrates		Farmers/ Department/ Private suppliers	Farmers
Beans	<i>Phaseolus vulgaris</i>	Phaliya	Prevalent Hybrid Varieties	Plains/cool weather		Rare	Rare	Tender green pods are used as vegetable	Summer Season	used as vegetable	High value protein,vitamins &Mn		Farmers/ Department/ Private suppliers	Farmers
Spinach	<i>Spinacia oleracea</i>	Palak	Prevalent Hybrid Varieties	Plains/cool season crop		Normal	Normal	tender green leaves used as vegetable	Rabi	used as vegetable	Vitamin A&C,fiber,folic acid &other nutrients		Farmers/ Department/ Private suppliers	Farmers
Horse gram legume	<i>Macrotyloma uniflorum</i>	Kulth	Local	Low land valleys/subtrop ical/dry & cool weather		Normal	Normal	legumecrop;climbing plant with a rhizome	Kharif	Horse gram seeds used for pulses	Kulth Dal eaten in winter season mostly,effective in relieving cough&cold	Seeds contain carbohydrates protein,dietary fiber, calcium, phosphorus	Farmers/ Department/ Private suppliers	Farmers
Tomato	<i>Solanum lycopersicum</i>	Tamater	Prevalent Hybrid Varieties	Plains/ Subtropical/ Warm season crop		Normal	Normal	They are vines that have weak stem that sprawls &typically needs support	kharif/ Summer	the tomato is a vegetable for culinary purposes		tomato fruit is used in diverse ways like in salads,soups	Farmers/ Department/ Private suppliers	Farmers

Pigeon pea	<i>Cajanus cajan</i>	Taangr	Local	Low land valleys/Subtropical/Cool&Dry		Normal	Rare	enriches soil through symbiotic nitrogen fixation	Kharif	pulses crop;rich source of protein		legume crop	Farmers/ Department/ Private suppliers	Farmers
Cucumber	<i>Cucumis sativus</i>	Kheera	Prevalent hybrid varieties	grows in all climatic conditions		Normal	Normal	climbing vine bearing elongated thick cylindrical fruit	Kharif/ Summer	Mainly used as Salad		It is used as antipyretic & cause Cooling effect	Farmers/ Department/ Private suppliers	Farmers
Bitter Gourd	<i>Momordica charantia</i>	Karela	Prevalent Hybrid Varieties	Plains/ Warm&humid climate		Normal	Normal	Herbaceous climbing annual with ridged stems	Kharif/ Summer	used as vegetable		Used for maintaining low Sugar Level	Farmers/ Department/ Private suppliers	Farmers
Peas	<i>Pisum sativum</i>	Matar	Prevalent Hybrid Varieties	Plains /Cool & Dry		Normal	Normal	Early maturing&high yielding	Rabi	used as vegetable		Source of protein/Energy	Farmers/ Department/ Private suppliers	Farmers
Garlic	<i>Allium sativum</i>	Thoom/ Lehsun	prevalent hybrid varieties	Plains/cool & moist	5	Rare	Abundant	Bulb	Rabi	Used as Vegetable and spice		Rich source of Vitamin C,B6,Mn	Farmers/ Department/ Private suppliers	Farmers
Coriander	<i>Coriandrum sativum</i>	daniya	prevalent hybrid varieties	Plains/Cool & moist		Rare	Abundant	leaves are eatables	Rabi	leaves are used as vegetable and seeds as spice		Rich source of vitamin A,C dietary fibre,iron ,Mn etc	Farmers/ Department/ Private suppliers	Farmers
Taro	<i>Colocasia spp.</i>	Kachalu	prevalent hybrid varieties	Plains/Warm& moist		Rare	Rare	Taro root is edible	Summer/ Kharif	Used as Vegetable for their Corms.Corms are used in Kachalu Chat Recipe		Taro root is rich source of dietary fibre & Carbohydrates	Farmers/ Department/ Private suppliers	Farmers
Turmeric	<i>Curcuma longa</i>	Aldi	Local Variety	Plains/ Cool&Moist		Rare	Rare	Perennial rhizomatous herbaceous plant	Kharif	Rhizomes are boiled in water,dried,then grounded into deep orange-yellow powder		Yellow powder used as coloring &Flavoring agent in many Asian cuisines	Farmers/ Department/ Private suppliers	Farmers

Ginger	<i>Zingiber officinale</i>	Adrk	Local Variety	Plains/Warm & dry		Rare	Rare	Herbaceous perennial which grows annual pseudostems	Summer/ Kharif	Ginger rhizomes are often pickled or cooked as an ingredient in many dishes	Used as an ingredient in traditional indian drink "Chai"	Ginger is a fragrant kitchen Spice	Farmers/ Department/ Private suppliers	Farmers
Brinjal	<i>Solanum melongena</i>	Pathe/ Baingan	Prevalent hybrid varieties	Plains/Warm/ Humid of Sub tropical region		Rare	Rare	Delicate, tropical perennial plant	Rabi	Used in Baingan bharta Recipe	Fruit is cooked as a vegetable	Fruits contain soft edible seeds	Farmers/ Department/ Private suppliers	Farmers
Chilli	<i>Capsicum annum</i>	Mirchi	Prevalent hybrid varieties	Plains/Warm and Humid of Subtropical Region		Normal	Normal	Fruits are peppers that may be green, Yellow, Orange or red when ripe	Summer/ Kharif	green chilli is used as salad	When Chillies become red, they are dried powdered & then used as a spice	Capsaicin Chemical creates a burning sensation which can last for several hours after ingestion	Farmers/ Department/ Private suppliers	Farmers
Ash Gourd	<i>Benincasa hispida</i>	Tuda Pitha	Local	Low land valleys/ Warm and humid climate		Rare	Rare	Cucurbitaceous, annual Vine trailing on Ground	Kharif	Ash gourd juice is good for constipation problems	Petha Barfi a traditional indian sweet made from Gourd	Cool down the system; detoxify the body	Farmers/ Department/ Private suppliers	Farmers
Cowpea	<i>Vigna unguiculata</i>	Rongi	Local	Low land valleys/ Warm and humid climate		Normal	Normal	Annual herbaceous legume	Kharif	Food	Green pods, immature seeds & Dry Seeds are cooked	Known for its high protein content	Farmers/ Department/ Private suppliers	Farmers
Taro Root	<i>Colocasia spp.</i>	Arbi	Local	Low land Valleys/ Warm & Moist		Plenty	Rare	Arbi is a starchy root vegetable that has a brown coloured fibrous exterior & a White, slightly slimy flesh inside	Summer/ Kharif	Food	Tuber/ Corm of Arbi are used for cooking. It is highly fibrous	Vegetable is turned into a savoury dish	Farmers/ Department/ Private suppliers	Farmers
Sugarcane	<i>Saccharum officinarum</i>	Ganne	Local	Low land Valleys/ Warm & Moist	2	Rare	Rare	Tall perennial grasses	Kharif	Sugar Production	People prefer to drink Sugar cane juice in Summers as it gives cooling effect		Farmers/ Department/ Private suppliers	Farmers

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	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						
Orange	<i>Citrus X sinensis</i>	Santra	Hybrid	Semi Hilly /Farm fields	Medium	Abundant	Horticulture Deptt./Private Suppliers/Wild	Summer /Winter	Orange juice is recommended to the person suffering from Typhoid Fever	Fruit is Rich in Vitamin C &has several health benefits	Self/ local Market	Locals
Lemon	<i>Citrus limon</i>	Nimbu	Hybrid	Semi Hilly /Farm fields	Medium	Abundant	Horticulture Deptt./Private Suppliers/Wild	Summer /Winter	In case of indigestion,lemon water can provide great relief	Lemon juice is a great natural remedy to detox any impurities of Intestine	Self/ local Market	Locals
Mulberry	<i>Morus alba</i>	Toot/ Shahtoot	Local/ Hybrid	Semi Hilly /Farm fields	Good	Good	Horticulture Deptt./Private Suppliers/Wild	Summer /Winter	Food for silkworm	Good source of iron &Vit. C	Self/ local Market	Locals
Sweet Lemon	<i>Citrus limetta</i>	Mousambi	Local	Plains/ hills/ Subtropical/ Farm fields	Good	Rare	Horticulture Deptt./Private Suppliers/Wild	July-Sep		Fruit	Self/ local Market	Locals
Rough lemon	<i>Citrus jambhiri</i>	Jambeeri	Local	Plains/ hills/ Subtropical/ Farm fields	Good	Rare	Horticulture Deptt./Private Suppliers/Wild	Dec-Apr		Fruit	Self/ local Market	Locals
Mandarin Orange	<i>Citrus reticulata</i>	Santra small	Local	Plains/ hills/ Subtropical/ Farm fields	Good	Rare	Horticulture Deptt./Private Suppliers/Wild	July-Sep		Fruit	Self/ local Market	Locals
Citron	<i>Citrus medica</i>	Kimb	Local	Plains/ hills/ Subtropical/ Farm fields	Good	Rare	Wild	Dec-Apr	used in making of Chat(a dogra cuisine)	Fruit	Self/ local Market	Locals

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
				Past	Present					
Sorghum	<i>Sorghum spp.</i>	charri	Hilly & Plain/ Warm & humid	Abundant	Abundant	Farmers/ Department/ Private Suppliers	Source of energy	Above ground part of plant	Fodder	Farmers
Black Gram	<i>Vigna mungo</i>	Maah	Plain/ Warm & humid	Abundant	Abundant	Farmers/ Department/ Private Suppliers	Source of energy	Seeds/Foliage	Food & fodder	Farmers
Maize	<i>Zea mays</i>	Charra	Hilly & Plain/ Warm & humid	Abundant	Normal	Farmers/ Department/ Private Suppliers	Source of energy	Above ground part of plant	fodder	Farmers
Berseem	<i>Trifolium spp.</i>	Shattala	Plain/ Warm & humid	Rare	Rare	Farmers/ Department/ Private Suppliers	Source of energy	Above ground part of plant	Fodder	Farmers
Bajra	<i>Pennisetum americanum</i>	Bajra	Hilly & Plain/ Warm & humid	Abundant	Normal	Farmers/ Department/ Private Suppliers	Source of energy	Above ground part of plant	Food & fodder	Farmers
Mysore thorn	<i>Caesalpinia decapetala</i>	Cat's Claw	Hilly & Plain/Warm & humid	Abundant	Abundant	Wild	Source of energy	Leaves	Fodder	Farmers
Siris	<i>Albizia lebbek</i>	Sree	Hilly & Plain/Warm & humid	Abundant	Abundant	Wild	Source of energy	Leaves	Fodder	Farmers
Bhimal	<i>Grewia optiva</i>	Dhaman	Hilly & Plain/Warm & humid	Abundant	Abundant	Wild	Source of energy	Leaves	Fodder	Farmers
White popinac	<i>Leucaena leucocephala</i>	Leucunia	Hilly & Plain/Warm & humid	Abundant	Abundant	Wild	Source of energy	Leaves	Fodder	Farmers
Napier grass	<i>Pennisetum purpureum</i>	Elephant grass	Warm&Dry	NA	Newly Introduced	Agriculture Deptt	Nil	Above ground part of plant	Fodder	Farmers

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

Format 4: Weeds

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Carrot Grass	<i>Parthenium hysterophorus</i>	Congress Grass	All crops		Plain and hilly/ Subtropical/ Farm fields	NA	Plenty		Uprooting	Nil	Exotic	Farmers
Wild Kulthi	<i>Atylosia scarabaeoides</i>	Wild Kulthi	All crops		Plain and hilly/ Subtropical/ Farm fields	Fairly available	Plenty	Pulses	Uprooting	Nil	Indigenous	Farmers
Himalayan mimosa	<i>Mimosa rubicaulis</i>	Raal	All crops		Plain and hilly/ Subtropical/ Farm fields	Plenty	Plenty		Uprooting	Nil	Indigenous	Farmers
Common Vetch	<i>Vicia sativa</i>	Jowal	All crops		Plain and hilly/ Subtropical/ Farm fields	Plenty	Plenty		Uprooting	Nil	Indigenous	Farmers
Wild indigo	<i>Tephrosia purpurea</i>	Sirponkhi	All crops		Plain and hilly/ Subtropical/ Farm fields	Plenty	Plenty	Vegetable	Uprooting	Nil	Indigenous	Farmers
Caragana	<i>Caragana gerardiana</i>	Pattaki	All crops		Plain and hilly/ Subtropical/ Farm fields	Plenty	Plenty		Uprooting	Nil	Indigenous	Farmers
True Indigo	<i>Indigofera tinctoria</i>	Kathi	All crops		Plain and hilly/ Subtropical/ Farm fields	Plenty	Plenty	Natural dye	Uprooting	Nil	Indigenous	Farmers
Hemp	<i>Cannabis sativa</i>	Bang	Kharif Crops		Plain and hilly/ Subtropical/ Farm fields	Normal	Normal		Mechanical, Chemical	leaf juice induces sleep	Exotic	Farmers
Chick weed	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops		Plain and hilly/ Subtropical/ Farm fields	NA	Abundant		Mechanical, Chemical	Nil	Exotic	Farmers
Dub Grass	<i>Cynodon dactylon</i>	Dub grass	Rabi/ Kharif		Plain and hilly/ Subtropical/ Farm fields	Abundant	Abundant	Fodder	Mechanical, Chemical	Nil	Exotic	Farmers

Pig Weed	<i>Amaranthus viridis</i>	Jangli Choulai/ Chaleri	Maize	Don't Let the Crop Grow	Plain and hilly/ Subtropical/ Farm fields	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Exotic	Farmers	
White Clover	<i>Trifolium repens</i>	Berseem	All Crops		Plain and hilly/ Subtropical/ Farm fields	Rare	Rare	Fodder	Uprooting			Indigenous	Farmers
Red Clover	<i>Trifolium pratense</i>	Shattala	All Crops		Plain and hilly/ Subtropical/ Farm fields	Rare	Rare	Fodder	Uprooting			Indigenous	Farmers
Makhan butti	<i>Argyrolobium roseum</i>	Makhan butti	All Crops		Plain and hilly/ Subtropical/ Farm fields	Moderate	Plenty		Uprooting			Indigenous	Farmers
Mysore Rattlepod	<i>Crotalaria mysorensis</i>	Chitryavali	All crops		Plain and hilly/ Subtropical/ Farm fields	Abundant	Abundant		Uprooting			Indigenous	Farmers
Desmodium	<i>Desmodium laxiflorum</i>	Boorikuchni	All Crops		Plain and hilly/ Subtropical/ Farm fields	Abundant	Abundant		Uprooting			Indigenous	Farmers
Hairy tare	<i>Vicia hirsuta</i>	Papda	All Crops		Plain and hilly/ Subtropical/ Farm fields	Abundant	Abundant		Uprooting			Indigenous	Farmers
Burn mouth vine	<i>Rhychosia minima</i>	Jangali Moth	All crops		Plain and hilly/ Subtropical/ Farm fields	Abundant	Abundant		Uprooting			Indigenous	Farmers
Canary Grass	<i>Phalaris minor</i>	Sitti	Wheat Grass Peas, mustard		Plain and hilly/ Subtropical/ Farm fields	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein		Exotic	Farmers
Yellow Pea	<i>Lathyrus aphaca</i>	Bankla Jangali	Wheat Grass Peas, mustard		Plain and hilly/ Subtropical/ Farm fields	Normal	Normal	Fodder	Mechanical, Chemical	Nil		Exotic	Farmers
Meadow Pea	<i>Cirsium arvense</i>	creeping thistle	Wheat gram, Barley		Plain and hilly/ Subtropical/ Farm fields	Normal	Normal		Mechanical, Chemical	Nil		Exotic	Farmers
Canada Thistle	<i>Avena fatua</i>	Jangli Javi	Oats		Plain and hilly/ Subtropical/ Farm fields	Rare	Rare	Fodder	Mechanical, Chemical	Nutrativ Fodder for Animals		Exotic	Farmers
Wild oats	<i>Sorghum halepense</i>	Beru grass	Sorghum		Plain and hilly/ Subtropical/ Farm fields	Rare	Rare	Fodder	Mechanical, Chemical	Nutrativ Fodder for Animals		Exotic	Farmers

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

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	Wheat seed gall nematodes	<i>Anguina tritici</i>		Cool &Moist Climate/ Farm fields	October-November/Rabi Crops	Chemical measures		Cause of Ear Cockle Disease	Farmers
Wheat	Ghujia weevil	<i>Sitophilus granarius</i>	Keede	Warm climate/ Farm fields	October-November/Rabi Crops	Chemical measures			Farmers
Wheat	Wheat aphid	<i>Sitobion miscanthi</i>		Cool &Moist Climate/ Farm fields	Throughout the year	Chemical measures		Sucks the sap from plants	Farmers
Wheat	Gram pod borer	<i>Helicoverpa armigera</i>	Pangukuta	Warm climate/ Farm fields	Dec-Jan	Chemical measures			Farmers
Wheat	Termite	<i>Microtermes obesi</i>	Keediya	Cool &Moist Climate/ Farm fields	Rabi crops	Chemical measures		Feed on root,stem of growing plants	Farmers
Wheat	Army worm	<i>Spodoptera frugiperda</i>	Ludi	Cool &Moist Climate/ Farm fields	Oct-Feb	Chemical measures		Larvae feed on leaves,chewing from the edges to the midrib or on the heads of cereal plants	Farmers
Maize	Spotted stem borer	<i>Chilo partellus</i>	Ludi	Cool &Moist Climate/ Farm fields	August	Chemical measures			Farmers
Maize	Maize leaf hoppers	<i>Dalbulus maidis</i>	Tridda	Cool &Moist Climate/ Farm fields	Kharif	Chemical measures			Farmers
Maize	Stem borer stalk	<i>Busseola fusca</i>	Ludi	Cool &Moist Climate/ Farm fields	Kharif	Chemical measures			Farmers
Wheat,Sorghum, Maize and other Crops	cut worm	<i>Agrotis ipsilon</i>	ludi	Cool &Moist Climate/ Farm fields	Throughout the year	Chemical measures			Farmers
Maize and Bajra	Grasshopper	<i>Hieroglyphus nigrorepletus</i>	Tridda	Cool &Moist Climate/ Farm fields	July-Sep	chemical measures			Farmers

Maize	Cornthrips maize	<i>Frankliniella williamsi</i>		Cool &Moist Climate/ Farm fields		chemical measures			Farmers
Maize	Ear head bug	<i>Helicoverpa armigera</i>		Cool &Moist Climate/ Farm fields		chemical measures			Farmers
Maize	Shoot fly	<i>Atherigona naqvii</i>		Cool &Moist Climate/ Farm fields		chemical measures			Farmers
Wheat	Wheat Midge	<i>Sitodiplosis mosellana</i>		Cool &Moist Climate/ Farm fields	Early March	chemical measures			Farmers
Maize and Pulses	Blister beetle	<i>Mylabris spp</i>	Ghori	Cool &Moist Climate/ Farm fields	Jun-Oct	Chemical measures			Farmers
All Crops	Field rat	<i>Rattus melta</i>	chua	Cool &Moist Climate/ Farm fields	Throughout the year	Chemical measures		Live in burrows,hidden in bushes	Farmers
All Crops	Monkey	<i>Rhesus macaque</i>	Bander	Forest & Human Habitat	Throughout the year	Traps & chemosterilization		Cause extensive damage to almost all crops,attacks humans	Farmers
All crops	Wild boar	<i>Sus scrofa</i>	Jangli Suar	Cool & Moist Climate/ Farm fields	Throughout the year			Cause extensive damage to almost all crops	Farmers

Other details may include possible reasons for insects/animal attack

Format 6: Markets for Domesticated animals

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

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	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
Hindu (Population 2366)	348& Farming/ Labour	Animal Husbandry	Agriculture Landscape	Agricultural resources of different nature	Plantation, Construction of Roads etc.	Seasonal Practices;Modern as Well as Traditional	SC, ST, OT	Average	Permanent Settlers	420 approx.
Muslim (Population: 34)	Farming/ Labour/Animal husbandry								Nomads	

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

Format 8: Landscape

1			2	3	4	5	6	7	8	9	10	11	12	
Major Landscapes			Sub - Landscapes	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												
Agricultural land			Maize	Open land	Private	Wheat,maize,dal mash, bajra,soyabean, till	Monkey, rabbit, porcupine, rat, wild boar, pigeon, sparrow	Locals	Crop rotation,terrace farming	Food and fodder			locals	
			Orchid	Close land										locals
			Vegetable	Garden							Vegetables			locals
Forest land					Forest	Chir, Khair, Sissoo, Kamila, Bamboo, Simble & Trimal etc	Monkey,leopard,peacock,jackel & pig etc	Locals and nomadic grazers		Timber,medicines,fruit			Locals	
														Nomadic grazers
					Forest/State									
Pond				Standing water for habitat of plants and animals	Forest/State/Private	Algae,pteridophytes,fungi,bryophyllum, water lilies,water hyacinth,bhang,grass	Fishes,Frogs,Snakes,Snails &Leech	locals	Desilting,dredging,blue pond dye	Drinking and irrigation purpose			Locals,Wild Animals	

Format 9: Waterscape

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Pond		Standing water for habitat of plants and animals	Forest/ State/ Private land	Bryophyllum	Fishes	Domestic purpose, irrigation, drinking etc	Locals & Wild animals	Desilting, Dredging , Manual Weeding, Blue Pond Dye				Locals,wild animals
				Algae	Amphibians							
				Pteridophyte	Prawn							
				Water hyacinth	Snail							
				Fern	Snakes							
				Water lilies	Leech							
					Crab							
					Mosquito							
					turtle							
	Nallah								Private,forest land	Algae	Amphibians	
		Pteridophyte	Prawn									
		Water hyacinth	Snail									
		Fern	Snakes									
			Leech									
			Crab									
Bowlis			forest/ State/ Private land	Algae	Frog	Domestic purpose like drinking etc	Locals & Wild animals					Locals,wild animals

Hand pump			Private/State land			Domestic purpose like drinking ,Bathing etc	Locals					Locals
Well			Private/State/Forest land			Domestic purpose like drinking ,Bathing etc	Locals					Locals

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
Brown earth	Brown fine particles	Water holding capacity,porous		Kharif and rabi crops.All herbaceous and woody plants	Earthworm, bacteria, fungi, algae, protozoa, nematodes, acarids		
Alluvial	Light brown ,porous	Water holding capacity ,anchoring property		Kharif and rabi crops. All herbaceous &Woody plants.ornamental plants	Earthworm, bacteria, fungi, algae, protozoa, nematodes, acarids		
Red soil	Red	Water holding capacity ,anchoring property, xerophytic		Cactus species,ganira,agave	Nematode ,round worm,scorpion ,lichen		
Clay	Light Brown	Water holding Capacity, anchoring property		Nerium,Agave,Cactus,Aloe vera	Bacteria.Fungi,Algae,Pr otozoa,Earthworm etc		
Rocky soil	black	Hard texture		bryophyte	Mosses, lichens, fungi, algae		
Loamy Soil	Dark Brown	Water holding Capacity, anchoring property			Herbaceous plants		

Format 11: Fruit Trees

1	2	3	4	6	7		8	9	10	11	12	13
					Local Status							
					Past	Present						
Mango	Amb	<i>Mangifera indica</i>	Malta	Plains/Subtropical	Less	Less	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Own Use	Locals
Citrus Fruit	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	<i>Citrus spp.</i>	Local Selection, Kagzi Lime etc.	Plains, mid hills/Subtropical	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	Locals
Guava	Amrood	<i>Psidium guajava</i>	Local, L49 etc.	Plains, Lower Hills/Subtropical	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Own Use	Locals
Grapes	Angoor	<i>Vitis vinifera</i>	Local Dakh, Perlette	Plains, Mid Hills/Subtropical	Rare	Plenty	Nurseries	Jul - Aug	Fruit		Own Use	Locals
Aonla	Ambla	<i>Phyllanthus emblica</i>	Local Selection, NA-7	Plains/Subtropical	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Pickling Preserve etc		Marketing, Own Use	Locals
Ber	Ber	<i>Ziziphus mauritiana lamk</i>	Gola, Varanasi	Plains/Subtropical	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	Locals
Jamun	Jamun	<i>Syzygium cumini</i>	Local Selection	Plains/Subtropical	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	Locals
Pomegranate	Anaar, Druni	<i>Punica granatum</i>	Ganesh, Kandhari, Local	Plains, Mid hills/Subtropical	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	Locals
Peach	Aaroo	<i>Prunus persica</i>	July Elberta, Quetta	Plains, mid hills/Subtropical	Rare	Plenty	Nurseries	Jun - Jul	Fruit		Own Use	Locals
Banana	kela	<i>Musa acuminata</i>	Local	Plains,hills/Subtropical	Rare	Rare	Locally raised	Sep-Jan	Fruit		Own Use	Local people
Loquat	Lgaath	<i>Eriobotrya japonica</i>	Local	Plains,hills/Subtropical	Normal	Normal	Locally raised	Sep-Jan	Fruit		Own Use	Local people
Apple	Seb	<i>Malus pumila</i>	HRMN-99	Plains,hills/Subtropical	Rare	Rare	Locally raised	June-Aug	Fruit		Own Use	Local people
Pear	Naashpati	<i>Pyrus communis</i>	Local	Plains/hills/Subtropical	Rare	Rare	Locally raised	July -Oct	Fruit		Own Use	Local people
Sweet Lemon	Mousambi	<i>Citrus limetta</i>	Local	Plains/hills/Subtropical	Rare	Rare	Locally raised	July-Sep	Fruit		Own Use	Local people
Rough lemon	Jambeeri	<i>Citrus jambhiri.</i>	Local	Plains/hills/Subtropical	Rare	Rare	Locally raised	Dec-Apr	Fruit		Own Use	Local people
Asian Pear	Batangi	<i>Pyrus serotina</i>	Local	Plains/hills/Subtropical	Rare	Rare	Locally raised	Dec-Apr	Fruit		Own Use	Local people
Walnut	Akhrot	<i>Juglans regia</i>	Local	Plains/hills/Subtropical	Rare	Rare	Locally raised	Dec-Apr	Fruit		Own Use	Local people
Common Plum	Plum	<i>Prunus domestica</i>	Local	Plains/hills/Subtropical	Rare	Abundant	Locally raised	Dec-Apr	Fruit		Own Use	Local people

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

1	2	3	4	5	6	7		8	9	10	11	12
						Past	Present					
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
Herb	Datura	<i>Datura stramonium</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Rare	Seeds are analgesic, antihelminthic and antiinflammatory so they are used in treatment of stomach & intestinal pain	Fruit/ Flowers/ Leaves/ Seeds	Leaves and fruits are offered to Lord Shiva on Special Days	Own use	Local people
Shrub	Aak	<i>Calotropis gigantea</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Rare	Leaves and milk is beneficial for skin related problems	Leaves/ Flowers	Leaves and Flowers are offered to Lord Shiva on Special days. Wood is used in Havan	Own use	Local people
Shrub	Nagfani (Cactus)	<i>Opuntia ficus-indica</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Moderate		Leaves		Own use	Local people
Shrub	Amaltas	<i>Cassia fistula</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Moderate			diabetes	Own use	Local people
Shrub	Billan	<i>Aegle marmelos</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Rare	Unripe fruits are used to make medicine	Leaves	Leaves are offered to Lord Shiva	Own use	Local people
Tree	Jammun	<i>Syzygium cuminii</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Rare		Fruit	Increases Hemoglobin count	Own use	Local people
Herb	Tulsi	<i>Ocimum sanctum</i>	Local	Lowland Valleys/ Subtropical/ Wild	Domesticated	Good	Good	Useful against Common ailments like Common Cold, fever, cough, heart diseases, stomach disorders, kidney stones and many more	Leaves	Considered Sacred acc. To Hindu Religion ; Used in funeral Ceremony in Hindu Community	Own use	Local people

Herb	Pudina	<i>Mentha spp.</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Good	Fresh & Dried Leaves are used to make Chutney	Leaves	Treat indigestion	Own use	Local people
Shrub	Black berry	<i>Rubus allegheniensis</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Moderate		fruits	Diarrhoea treatment	Own use	Local people
Shrub	Kakkar Singhi	<i>Pistacia khinjuk</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Abundant	Rare		stem	Treating bronchitis	Own use	Local people
Shrub	Rumbal	<i>Ficus racemosa</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Rare	Fruits are edible and leaves are used for fodder	Root/ Wood /Fruits	Wood is used in Havan and fruits are extensively eaten by monkeys	Own use	Local people
Tree	Trimbal	<i>Ficus auriculata</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Rare	Leaves are used for fodder and for plates	Fruit/ Leaves	Indigestion treatment	Own use	Local people
Tree	Fakor	<i>Ficus Palmata (Edible)</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Abundant	Rare	Fruits are edible	Fruit	Fruit is useful against stomach disorders	Own use	Local people
Tree	Bhor	<i>Ficus bengalensis</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Rare	Rare	Known for its broadest Canopy	Leaves, fruit	Treat diseases of blood and head, ulcers	Own use	Local people
Tree	Aamla	<i>Emblica officinalis</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Moderate	Amla is rich in Vit. C which helps in Improving immunity; Effective against jaundice too. Used in pickle ; wood is used in Havan	Fruit/ Wood	Take an iron utensil add some water, put amlas in it. keep it for some time & then use this water for hair washing. Hair will look black & it gives cooling effect too.	Own use	Local people
Tree	Behra	<i>Terminalia bellirica</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Abundant	Decreased		Fruit	Respiratory diseases	Own use	Local people
Shrub	Harad/Reed	<i>Terminalia chebula</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Rare	Known to increase appetite & improves digestion and absorption	fruit	Used as a Vegetable and pickle. Used to treat dry cough	Own use	Local people
Shrub	Kakoa	<i>Flacourtia indica</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Rare	Fruits are edible & Leaves used as fodder for Sheep & Goats	fruit/ Leaves	Use in snake bite	Own use	Local people

Tree	Kamila	<i>Mallotus phillippensis</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Good		fruit	Skin diseases	Own use	Local people
Shrub	Kayora	<i>Agave americana</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Moderate	Intestinal gas &constipation	fruit /Leaves	Historically its leaves were used to make Ropes which were used to tie domestic animals to its place (pole). Extract of leaves were also used to relieve ear pain	Own use	Local people
Shrub	Kainth	<i>Pyrus pashia</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Moderate	fruit is edible and leaves served as a fodder for sheep &goats	fruit	Fever,headache	Own use	Local people
Tree	Thor	<i>Euphorbia royleana</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Moderate	Central portion of stem is used in making subzi &Pickle	stem	Paralysis ,earpain etc	Own use	Local people
Herb	Kwaadgndl	<i>Aloe barbadensis miller</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Good	Good	Possess antibacterial,antiviral &antiseptic properties	Gel of Leaves	Used against Skin related problems	Own use	Local people
Tree	Neem	<i>Azadirachta indica</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Rare	leaves used to treat skin diseases	Leaves/ Bark	Dried neem leaves are mixed with the stored grains to protect them from insect pests	used as a teeth cleaning twig as it help to prevent tooth decay	Local people
Tree	Kalyaad	<i>Bauhinia variegata</i>	Local	Lowland Valleys/ Subtropical/ Wild	Wild	Moderate	Moderate	flowers &buds are antihelminthic	Leaves/ Flower	flowers and buds are boiled,added in curd and eaten as a recipe(Raita)	Own use	Generally, held by community

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	Chir	<i>Pinus roxburghii</i>	Subtropical	Good	Good	Wild	Timber	Pine needle Vases are made	used for fuel wood,torch wood,funeral wood &furniture	Bakerwal,locals
Tree	Khair	<i>Acacia catechu</i>	Subtropical	Good	Good	Wild	Timber	Medicinal (Katha)		Locals
Tree	Kambel	<i>Lanea coromandelica</i>	Subtropical	Good	Good	Wild	Timber			Bakerwal
Tree	Tuni	<i>Toona ciliata</i>	Subtropical	Good	Good	Wild	Timber			Locals
Tree	Kamila	<i>Mallotus philippensis</i>	Subtropical	Good	Good	Wild	Timber			Local natives of area
Tree	Phulai	<i>Acacia modesta</i>	Subtropical	Good	Good	Wild	Timber	As tooth brush		Local natives of area
Tree	Draink	<i>Melia azedarach</i>	Subtropical	Good	Good	Wild	Timber	Dried leaves are mixed with the stored grains to protect them from insect pests		Local natives of area
Tree	Toot	<i>Morus alba</i>	Subtropical	Good	Good	Wild	Timber	Mulberry leaves are primary food source of Silkworm	Twigs used for making Baskets	Local natives of area
Tree	Tali	<i>Dalbergia sissoo</i>	Subtropical	Good	Good	Wild	Timber			Local natives of area
Tree	Safeda	<i>Eucalyptus</i>	Subtropical	Rare	NA	Wild	Timber	Used for Construction purposes		Local natives of area

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	Desi Gau	<i>Bos indicus</i>	local	Pronounced hump, long wide ears, large dewlap	stall feeding	Plenty	Rare	Dairy		Yes	Milk	Locals
	Jersey Gau	<i>Bos taurus</i>	CB Jersey	small in size, light brown in color	stall feeding	Normal	Normal	Dairy		Yes	Milk	Locals
	Amrecan Gau	<i>Bos taurus</i>	CB HF	Black & White Spot	stall feeding	Normal	Increased	Dairy		Yes	Milk	Locals
	Daandh/Ox	<i>Bos taurus indicus</i>	Local	Fatty hump on their shoulders	stall feeding	Abundant	Rare	Ploughing		No	Ploughing	Locals
Buffalo	Manj	<i>Bubalus bubalis</i>	Both	Large Size	Stall feeding	Medium	Medium	Milk		Yes	Nil	Locals
Goat	Bakri	<i>Capra hircus</i>	Both	Herbivorous, hollow horned	open herd	Medium	Abundant	Milk/ Meat		Yes	Nil	Locals
Sheep	Pid	<i>Ovis aries</i>	Both	Herbivorous, highly developed flocking instinct	Open flock	Medium	Medium	Wool/Meat		Yes	Nil	Locals
Poultry	Kukkar	<i>Gallus domesticus</i>	local	Enriched meat flavour	Backyard	Normal	Decreased	Egg, Meat		Yes	egg, meat	Locals
	Broiler	<i>Gallus domesticus</i>	hybrid	white color fast growing	Backyard	Normal	Increased	Egg, Meat		Yes	egg, meat	Locals
Dog	kutta	<i>Canis familiaris</i>	Both	black colored mostly	Pet, Stray	Normal	Normal	kept for guarding purpose		No		Locals
Horse	Kode	<i>Equus spp.</i>	local	Brown/Black/White colored	stall feeding	Normal	Rare	Cart, means of transportation		Some	Cart	Locals
Mule	Khacchar	<i>Equus mulus</i>	local	Heads are shorter, thicker & more closely resemble that of a donkey. Known for hardiness & docile nature	stall feeding	Abundant	Rare	Load carriage		No	Means of transportation	Locals

Uses include milk, meat, skin, fur and etc

Format 16: Culture Fisheries

1	2	3	4	5	6	7		8	9	10	11	12
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talab)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					
Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc												

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					
Evergreen Woody Perennial	Santha	<i>Dodonaea viscosa</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Leaves	Cordage & Soil binder; Leaves used to reduce Swelling	Twigs used to make brooms which are used to clean Kutchha house (made for domestic animals)	Locals
Perennial	Brenker	<i>Adhatoda vasica</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Leaves	Use in ripening of fruit	After Sowing of Vegetable seeds its been covered with Brenker leaves to stimulate Germination	Locals
Annual	Bhang	<i>Cannabis sativa</i>	Herb	Subtropical/ Wild	Abundant	Abundant	Own use	Leaves	Sedative	Thandai, a beverage made up of bhang leaves is savoured on Shivaratri	Locals
Annual &Short Lived Perennial	Dhatura	<i>Datura metel</i>	Herb	Subtropical/ Wild	Abundant	Declined	Own use	Flower/Fruit	Aesthetic value and Religious Value	Used in Worshipping of Lord Shiva	Locals
Perennial	Thor	<i>Euphorbia royleana</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Stem	Food(mixed with curd)		Locals
Annual/ Perennial	Akk	<i>Ipomea carnea</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Root	Live hedge	Ornamental	Locals
Annual	Jari	<i>Parthenium hysterophorus</i>	Shrub	Subtropical/ Wild	NA	Abundant	Own use		Weed		Locals
Perennial	Daduni	<i>Punica granatum</i>	Plant	Subtropical/ Wild	Abundant	Declined	Own use	fruit	Anardana		Locals
Annual/ Perennial	Jojra	<i>Pupalia lappacea</i>	Herb	Subtropical/ Wild	Abundant	Declined	Own use	Leaves	Weed		Locals

Perennial	Bana	<i>Vitex nigundo</i>	Shrub	Subtropical/ Wild	Abundant	Abundant	Own use	leaves	Aesthetic value , biopesticide ,Spiritua l value, Fuel wood	Leaves are hanged on Doors on Diwali night.Spiritual healers use twig of Bana while reciting Mantras during treatment of Snake bite	Locals
Annual,bienn ial or Perennial	Timbru	<i>Zanthoxylum alatum</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Fruit/Twig/Seeds	Appetite booster ;used in chutney	Twigs used as a tooth stick for cleaning tooth;Wood is used in making pastle(Danda) for grinding spices	Locals
Annual or Perennial	Amarbel	<i>Cuscuta reflexa</i>	Herb/ Subshrub	Subtropical/ Wild	Abundant	Declined	Own use	Stem	Medicinal		Locals
Perennial	Doab grass	<i>Cynodon dactylon</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Leaves	Fodder		Locals
Perennial	Puthkanda	<i>Achyranthes aspera</i>	Herb	Subtropical/ Wild	Abundant	Declined	Own use	Stem/Seeds/Roots &Leaves	Aesthetic and Religious Value		Locals
Perennial	Kai	<i>Saccharum spontaneum</i>	Grass	Subtropical/ Wild	Abundant	Abundant	Own use	Leaves	Aesthetic	used in making of Huts	Locals
Perennial	Giloe/ Gdund	<i>Tinospora cordifolia</i>	Climbing Shrub	Subtropical/ Wild	Abundant	Abundant	Own use	Stem	Stomach treatment	Immunity booster;used against Typhoid fever	Locals
Perennial	Tulsi	<i>Ocimum sanctum</i>	Herb	Subtropical/ Wild	Abundant	Abundant	Own use	Leaves	Aesthetic, Medicinal value &Religious Value	Considered Sacred in Hindu Religion.Tulsi Leaves extract is helpful against fever,Cold,Heart diseases,stomach disorders,kidney stones etc	Locals

Annuals	Tori	<i>Luffa cylindrica</i>	Climber	Subtropical/ Wild	Abundant	Declined	Own use	Fruit	Food	Highly fibrous vegetable	Locals
Perennial	Kasrod	<i>Diplazium esculentum</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Fruit	Food		Locals
T	Kachalu	<i>Colocasia asculanta</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Rhizome	Food		Locals
Annual	Chaleri saag	<i>Amaranthus viridis</i>	Shrub	Subtropical/ Wild	Abundant	Declined	Own use	Leaves	Grazing/Food	Eaten as a green Vegetable	Locals
Perennial	Ber	<i>Ziziphus jujuba</i>	Tree	Subtropical/ Wild	Abundant	Declined	Own use	Fruit	-	-	Local people
Deciduous	Plash/ Plaa	<i>Butea monosperma</i>	Tree	Subtropical/ Wild	Abundant	Declined	Own use	Timber/ Firewood	Bark/Gum used to treat ulcers	leaves used for making plates & in Kriya karam (funeral ceremony in Hindu religion)	Local people
Perennial Evergreen	Garna/ Grunday	<i>Carissa spinarum</i>	Shrubs	Subtropical/ Wild	Abundant	Declined	Own use	Fruit/Fuel wood	Fruits are edible	leaves used for fodder	Local people
Evergreen	Lasura	<i>Cordia myxa</i>	Tree	Subtropical/ Wild	Abundant	Declined	Own use	Fruit	Fruits are pickled		Local people
Evergreen	Chir	<i>Pinus roxburghii</i>	Tree	Subtropical/ Wild	Abundant	Abundant	Own use	Stem/Leaves	Pine needle Vases are made	used for fuel wood,torch wood,funeral wood &furniture	Local people
Deciduous	Khair	<i>Acacia catechu</i>	Tree	Subtropical/ Wild	Abundant	Abundant	Own use	Stem	Medicinal (Katha)		Local people
Deciduous	Kambel	<i>Lanea coromandelica</i>	Tree	Subtropical/ Wild	Abundant	Abundant	Own use	Timber/Stem			Local people
Deciduous	Tuni	<i>Toona ciliata</i>	Tree	Subtropical/ Wild	Abundant	Abundant	Own use	Stem	used for Construction work		Local people
Evergreen	Kamila	<i>Mallotus philippensis</i>	Tree	Subtropical/ Wild	Abundant	Abundant	Own use	Stem			Local people
Evergreen	Phulai	<i>Acacia modesta</i>	Tree	Subtropical/ Wild	Abundant	Abundant	Own use	Stem	As tooth brush		Local people
Deciduous	Draink	<i>Melia azedarach</i>	Tree	Subtropical/ Wild	Abundant	Declined	Own use	Stem	Dried leaves are mixed with the stored grains to protect them from insect pests		Local people

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	Tarad	<i>Dioscorea belophylla</i>	Wild	Food	Fairly Available
2	Simbal	<i>Bombax ceiba</i>	Wild	economic	Declined
3	Pulah	<i>Butea monosperma</i>	Wild	Food wrapping items, cultural, aesthetic	Declined
4	Krangal	<i>Cassia fistula</i>	Wild	Medicinal importance	Abundant
5	Safeda	<i>Eucalyptus citrodora</i>	Wild	Reduce cough,cold etc	Rare
6	Trimbal	<i>Ficus auriculata</i>	Wild	Fodder,fruit	Fairly Available
7	Bohar	<i>Ficus bengalensis</i>	Wild	Medicinal, cultival Aesthetic	Fairly Available
8	Fagora	<i>Ficus palmata</i>	Wild	Edible fruit,medicinal	Fairly Available
9	Rumble	<i>Ficus racemosa</i>	Wild	Healing power, used in tongue sore	Fairly Available
10	Kakoa	<i>Flacourtia indica</i>	Wild	Used in snakebite,arthritis	Declined
11	Dhaman	<i>Grewia optiva</i>	Wild	Leaf fodder	Fairly Available
12	Kamila	<i>Mallotus philippensis</i>	Wild	As dye,antioxidant	Fairly Available
13	Aam	<i>Mangifera indica</i>	Wild	Fruit	Fairly Available
14	Draink	<i>Melia azedarach</i>	Wild	Medicinal &,timber value	Fairly Available
15	Toot	<i>Morus alba</i>	Wild	Timber	Declined
16	Chir	<i>Pinus roxburghii</i>	Wild	Timber,resin,medicinal	Abundant
17	Jamun	<i>Syzigium cumini</i>	Wild	Fruit,medicinal	Fairly Available
18	Ber	<i>Zyzyphus jujuba</i>	Wild	Food, medicinal	Fairly Available
19	Reetha	<i>Sapindus mukorossi</i>	Wild	Medicinal value	Declined
20	Baans	<i>Dendrocalamus strictus</i>	Wild	Sticks used for construction &Fencing	Good
21	Khajuri	<i>Phoenix sylvestris</i>	Wild	leaves used for making baskets,hand fans,floor mats etc	Good
22	Akhra	<i>Rubus ellipticus</i>	Wild	Fruit	Declined
23	Leucinia	<i>Leucaena leucocephala</i>	Wild	Fodder	Declined

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				
Mahseer	<i>Tor Tor</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Gold mahseer	<i>Tor Putitora</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Kaid	<i>Labeo dero</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Punta	<i>Puntius conchoniuis</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Punta	<i>Puntius sophor</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Punta	<i>Puntius ticto</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Top	<i>Barilius vagra</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Top	<i>Barilius bendelisis</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Lass	<i>Schizothorax</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Moda	<i>Garra gotyla</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Nai	<i>Glyptothorax</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Rohu	<i>Labeo rohita</i>	Indigenous fauna	Bony fishes	Streams/lakes	Good	Fairly available	Edible	-	-	Locals
Toad	<i>Duttaphrynus melanostictus</i>	Indigenous fauna	snout is short and Blunt	Streams /lakes	good	Abundant	.....	-	-	Locals
Frog	<i>Sphearopheca breviceps</i>	Indigenous fauna	Burrowing frog	Streams/lakes	Good	Abundant	..... ...	-	-	Locals
Bull Frog	<i>Hoplobatrachus tigerinus</i>	Indigenous fauna	large,green in colour	ponds	good	Fairly available	.....	-	-	Locals
Krait	<i>Bungarus caeruleus</i>	Indigenous fauna	highly venomous	Streams/tawi	Good	Fairly available	.....	-	-	Locals
Russel's Viper	<i>Daboia russelii</i>	Fauna	highly venomous	Streams/lakes	good	Fairly available	.....	-	-	Locals
Water hyacinth	<i>Eichhornia crassipes</i>	Indigenous fauna	Invasive Aquatic plant	Streams/lakes	Good	Fairly available	..... ...	-	-	Locals

Water lettuce	<i>Pistia stratiotes</i>	Indigenous fauna	perennial monocotyledonous Aquatic plan	Streams/lakes	Good	Fairly available	.....	-	-	Locals
Lucky 4-leaf clover	<i>Marsilea mutica</i>	Indigenous fauna	Charming aquatic plant forming a mat of floating four leaf clovers	Streams/lakes	Good	Fairly available	.....	-	-	Locals
Water hyssop	<i>Bacopa monnieri</i>	Indigenous fauna	perennial creeping herb	Streams/lakes	Good	Fairly available	.....	-	-	Locals
Water poppy	<i>Hydrocleys nymphoides</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Fairly available	.....	-	-	Locals
Water lilly	<i>Nelumbo nucifera</i>	Indigenous fauna	Aquatic plant	Streams/lakes	Good	Fairly available		-	-	-

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Water hyacinth	<i>Eichhornia crassipes</i>	Local	Use as eggcollector in breeding of fish	-
2	Water lettuce	<i>Pistia stratiotes</i>	Local	Use as eggcollector in breeding of fish	-
3	Lucky 4-leaf clover	<i>Marsilia mutica</i>	Local	-----	-
4	Penny wort	<i>Bacopa monnieri</i>	Local	-----	-
5	Water poppy	<i>Hydrocleys nymphoides</i>	Local	-----	-
6	Water lilly	<i>Nymphaea</i>	Local	-	-

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	Datura	<i>Datura stramonium</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Used in pooja	Medicinal, Religious	Fruit	Own use	Local people
Tree	Billan	<i>Aegle marmelos</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Few are available	Liver tonic,Used in worship of Lord Shiva	Medicinal, Religious	Fruit	Own use	Local people
Shrub	Banah	<i>Vitex negundo</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Pesticide	Medicinal, Spiritual	Leaves	Own use	Local people
Shrub	Timru	<i>Xanthoxylum alatum</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Appetite booster, used in chutney	Medicinal	Fruit	Own use	Local people
Tree	Fakor	<i>Ficus palmata</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	good for digestion	Medicinal	Fruit	Own use	Local people
Tree	Trimbal	<i>Ficus auriculata</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Fodder	Medicinal	fruit	Own use	Local people
Tree	Behra	<i>Terminalia bellirica</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	trifla	Medicinal	Fruit	Own use	Local people
Tree	Harad/ Reed	<i>Terminalia chebula</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Trifla	Medicinal	Fruit	Own use	Local people
Tree	Amla	<i>Emblica officinale</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Trifla	Medicinal, Pickling	Fruit	Own use	Local people
Shrub	Kakoa	<i>Flacourtia Indica</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Immunity booster	Medicinal	Fruit	Own use	Local people
Shrub	Thor	<i>Euphorbia royleana</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	After peeling from all sides ,central portion is used for cooking	Medicinal	Stem	Own use	Local people
Tree	Phulai	<i>Acacia modesta</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Abundant	Used as a teeth cleaning twig	Medicinal	Branches	Own use	Local people
Shrub	Anardana/ Daduni	<i>Punica granatum</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Chutney	Medicinal	Fruit	Own use	Local people
Herb	Kayora	<i>Agave americana</i>	Wild/ Indigenous	Low land valleys/ Subtropical/ Wild	Abundant	Declined	Pickles/Ropes	Medicinal	Fruit	Own use	Local people

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					
Ber	<i>Ziziphus Jujube</i>	<i>Zipus mouritiana</i>	Wild	Good	Good	Edible fruit	Fruit			Local people
Kainthi	<i>Pyrus Pyrifolia</i>	<i>Pyrus communis</i>	Wild	Good	Good	Edible fruit	Fruit			Local people
Wild Grapes	<i>Vitis vinifera</i>	<i>Vitis vinifera</i>	Wild	Good	Normal	Edible fruit	Fruit			Local people
Local Mango	<i>Magnifera indica</i>	<i>Mangifera indica</i>	Wild	Good	Normal	Edible fruit	Fruit	Pickle		Local people
Geranium	<i>Geranium wallichianum</i>	<i>Geranium platypetalum</i>	Wild	Abundant	Rare	Fragrance	Flower		Domestic use	Local People
Wild haldi	<i>Curcuma aromatica</i>	<i>Curcuma aromatica</i>	Wild	Abundant	Rare	Spices	Rhizome	Used as substitute of Haldi	Domestic use	Local People
Wild karela	<i>Cyclanthera pedata</i>	<i>Momordica charantia</i>	Wild	Abundant	Rare	Vegetable	Fruit	Used as substitute of Bitter gourd	Domestic use	Local People
Wild tulip	<i>Tulipa sylvestris</i>	<i>Tulip Spp.</i>	Wild	Abundant	Rare	Ornamental	Flower		Domestic use	Local People
Wild Musroom	<i>Agaricus bisporus</i>	<i>Agaricus bisporus</i>	Wild	Abundant	Rare	vegetable	Whole plant	Used as vegetable	Domestic use	Local People
Batangi	<i>Pyrus serotina</i>	<i>Pyrus pashia</i>	Wild	Abundant	Declined	Edible fruit	Fruit		Domestic use	Local People
Wild Isbagol	<i>Plantago Spp.</i>	<i>Plantago major</i>	Wild	Abundant	Abundant	Laxative	Flower		Domestic use	Local People
Wild mooth	<i>Phynchosia minima</i>	<i>Phynchosia minima</i>	Wild	Abundant	Declined	Pulses	Seed	Pulses		Local People
Wild Kulthi	<i>Atylosia scarabaeoides</i>		Wild	Abundant	Declined	Pulses	Seed	Pulses	Domestic use	Local people
Wild Palak	<i>Ajuga reptans</i>		Wild	Abundant	Rare	Edible Leaf	Leaf		Domestic use	Local people
Wild Tobbacco	<i>Verbascum thapsus</i>	<i>Nicotiana</i>	Wild	Abundant	declined	Smoking	Whole Plant		Domestic Use	Local People
Wild Strawberry	<i>Fragaria nubicola</i>	<i>Fragaria ananassa</i>	Wild	Abundant	declined	Edible fruit	Fruit	Eaten Raw	Domestic Use	Local People
Spiral Ginger	<i>Cheilocostus speciosus</i>	<i>Zingiber officinale</i>	Wild	Abundant	Rare	Spices	Rhizome	Used as a substitute of Ginger	Domestic use	Local people

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
Ashoka tree	<i>Polyalthia longifolia</i>	Wild	Subtropical/ Wild	Ornamental	-		Local
Saptarni tree	<i>Alstonia scholaris</i>	Wild	Subtropical/ Wild	Ornamental	-		Local
Red bottle brush	<i>Callistemon citrinus</i>	Wild	Subtropical/ Wild	Ornamental	-		Local
Money plant	<i>Epipremnum aureum</i>	Wild	Subtropical/ Wild	Ornamental	-		Local
Life plant	<i>Bryophyllum pinnatum</i>	Wild	Subtropical/ Wild	Ornamental	-		Local
Surajmukhi	<i>Helianthus annuus</i>	Wild	Subtropical/ Wild	Edible oil	-		Local
Gulaab	<i>Rosa spp.</i>	Wild	Subtropical/ Wild	ornamental	-		Local
China rose	<i>Hibiscus rosa-sinensis</i>	Wild	Subtropical/ Wild	ornamental			Local
Bougainvillea	<i>Bougainvillea glabra</i>	Wild	Subtropical/ Wild	Ornamental	-		Local
Amaltas	<i>Cassia fistula</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
African daisy	<i>Senecio pterophorus</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Cheeseberry	<i>Rubus ellipticus</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Paper mulberry	<i>Broussonetia papyrifera</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Garden violet	<i>Viola odorata</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Indian Borage	<i>Trichodesma indicum</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
South african daisy	<i>Senecio inaequidens</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people

Thistle	<i>Sonchus asper</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Creeping wood sorrel	<i>Oxalis corniculata</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Indian Sweet Clover	<i>Melilotus indicus</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Melancholy thistle	<i>Cirsium heterophyllum</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Indian fumitory	<i>Fumaria parviflora</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Spanish needle	<i>Bidens alba</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Round leaf crane's bill	<i>Geranium rotundifolium</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Chinese violet	<i>Telosma cordata</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Tobacco	<i>Nicotiana tabacum</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Interrupted fern	<i>Osmunda claytoniana</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Yellow fruit night shade	<i>Solanum virginianum</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Obscure morning glory	<i>Ipomea obscura</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Three leaved wild vine	<i>Cayratia trifolia</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
True Indigo	<i>Indigofera tinctoria</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Akk	<i>Ipomia carnea</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Tellicherry bark	<i>Holarrhena pubescens</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Common prickly pear	<i>Opuntia monacantha</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people

American sicklepod	<i>Senna obtusifolia</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Ganeera	<i>Nerium oleander</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Jhkhuya	<i>Cleome viscosa</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Hogweed	<i>Boerhavia repens</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Tiger's claw	<i>Martynia annua</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Chocolate weed	<i>Melochia corchorifolia</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Physic nut	<i>Jatropha curcas</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Datura	<i>Datura metel</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Chain of love	<i>Antigonon leptopus</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Kanduriya	<i>Coccinia grandis</i>	Wild	Subtropical/ Wild	Ornamental/Medicine/ Vegetable	-----		Local people
Indian licorice	<i>Abrus precatorius</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Thumba	<i>Leucas aspera</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Beggarticks	<i>Bidens frondosa</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Fire flame bush	<i>Woodfordia fruticosa</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Five fingered fern	<i>Adiantum pedatum</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people
Kamala tree	<i>Mallotus philippensis</i>	Wild	Subtropical/ Wild	Ornamental/Medicine	-----		Local people

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	Nimbu	<i>Citrus limon</i>	Local /hybrid	Slopy/plain	Abundant	Rare	As food	Fruit	Vit.c source		Local people
Herb	Puthkanda	<i>Achyranthes aspera</i>	Wild	Hilly	Abundant	Abundant	Medicine	Leaves	Aesthetic value		Gujjar
Shrub	Lemon grass	<i>Cymbopogon citratus</i>	Local /hybrid	Plain	Abundant	Rare	Medicine	Leaves	.....		Gujjar
Tree	Khair	<i>Acacia catechu</i>	Local	Hilly	Abundant	Abundant	Timber	Stem	conjunctivitis		bakerwal
Herb	Payaz	<i>Allium cepa</i>	Local /hybrid	Plain	Abundant	Abundant	Food	Stem	Diabetis		Gujjar
Herb	Thoom	<i>Allium sativum</i>	Local /hybrid	Plain	Abundant	Abundant	Food	Bulb	High b.p		Gujjar
Herb	Adhrak	<i>Zingiber officinale</i>	Local /hybrid	Plain	Abundant	Abundant	Food	Root	digestion		Bakerwal
Tree	Neem	<i>Azadirachta indica</i>	Wild	plain	Abundant	Rare	medicine	All	Leprosy		Locals
Tree	Simbloo	<i>Berberis lycium</i>	Wild	Hilly	Abundant	Rare	Medicine	All	Diabetes		Locals
Herb	Gungloo	<i>Brassica rapa</i>	Local /hybrid	Plain	Abundant	Abundant	Food	Root	Veg		Locals
Shrub	Bhang	<i>Cannabis sativa</i>	Wild	Hilly /plain	Abundant	Abundant	Medicine	Leaves	Sedative		Locals
Herb	Haldi	<i>Curcuma longa</i>	Local /hybrid	Hilly	Abundant	Abundant	Food	Root	Antiseptic		Locals
Shrub	Brenker	<i>Adhatoda vasica</i>	Wild	Hilly	Abundant	Abundant	Medicine	Leaves	preservative		Locals
Shrub	Geloy	<i>Tinospora cordifolia</i>	Wild	Plain/hilly	Abundant	Abundant	Medicine	Stem	pharmaceutical		Locals
Herb	Aloevera	<i>Aloe barbadensis miller</i>	Local /hybrid	Plain/slopy	Abundant	Abundant	medicine	All	Skin treatment		Locals
Herb	Ashwagandha	<i>Withania somnifera</i>	Local /hybrid	Plain/slopy	Abundant	Rare	Medicine	Stem	Medicinal		Locals
Tree	Curry tree	<i>Murraya koenigii</i>	Local /hybrid	moist forest and agricultral land	Abundant	Abundant	Spice	leaves	Used as a flavouring agent in indian cuisines		Locals people

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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Bird	Eil	<i>Aegyptius monachus</i>	Forest	Carnivore	November-December	Good	Few	Scavenger		Nil		Local natives of area
Insect	Titli	<i>Précis hierta</i>	Forest	Arboreal Herbivore	Throughout the year	Good	Good	Nector collector		Nil		Locals
Insect	Trida	<i>Poecilocerus pictus</i>	Forest	Omnivore	October-November	Good	Good	Pollination		Nil		Locals
Bird	Jangli Murga	<i>Gallus gallus domesticus</i>	Forest	Omnivore	Throughout the year	Good	Good	Eggs		Nil		Bakerwal
Bird	Kaa	<i>Corvus splendens</i>	Forest	Omnivore	Throughout the year	Good	Good			Nil		Bakerwal
Bird	Papiya	<i>Clamotor jacobinus</i>	Forest	Omnivore	July-Aug	Good	few	Pollination		Nil		Locals
Insect	Demak	<i>Cryptotermes domesticus</i>	Forest	Carnivore	June-July	Good	Good	Decomposer		Nil		Locals
Insect	Kronkal	<i>Scolopendra morsitans</i>	Forest	Carnivore	July -Aug	Good	Rare	Decomposer		Nil		Locals
Mammal	Khargosh	<i>Lepus nigricolis</i>	Forest	Herbivore	Throughout the year	Good	Good	Meat		Nil		Locals
Mammal	Chamgadard	<i>Pteropus giganteus</i>	Forest	Carnivore	Throughout the year	Good	Good	pollination		Nil		locals
Bird	Gtaary	<i>Acridotheres tristis</i>	Forest	Carnivore	Throughout the year	Good	Good	Pollination		Nil		Locals
Mammal	Gedhad	<i>Canis aureus</i>	Forest	Carnivore	Throughout the year	Good	Good	Carnivorous		Nil		Locals
Mammal	Gilhari	<i>Fanambulus pennatii</i>	Forest	Omnivore	Throughout the year	Good	Good			Nil		Locals
Insect	Chakki	<i>Helix aspersa</i>	Forest	Carnivore	July-Aug	Good	Good	Pollination		Nil		Locals
Bird	Bagla	<i>Bubalcus ibis</i>	Forest	Omnivore	Throughout the year	Good	Good	Scavenger		Nil		Locals
Amphibian	Mendak	<i>Rana tigrina</i>	Forest	Carnivore	July-Sep	Good	Good	Scavenger		Nil		Locals
Insect	Madhumakhi	<i>Apis dorsata</i>	Forest	Herbivore	Throughout the year	Good	Rare	Honey		Nil		Locals
Bird	Mor	<i>Pavo cristatus</i>	Forest	Omnivore	Throughout the year	Rare	Abundant	Aesthetic value		Nil		Locals

Reptiles	Saamp	<i>Naja naja</i>	Forest	Carnivore	Jun-Sep	Good	Rare	.....		Nil		Locals
Mammal	Bander	<i>Simiformes catarrhini</i>	Forest	Omnivore	Throughout the year	Rare	Abundant	.....	Pest ;cause extensive damage to all crops	Nil		Locals
Mammal	Leopard	<i>Panthera pardus</i>	Forest	Carnivore	July	Rare	Rare	.....		Nil		Locals
Mammal	Barking Deer	<i>Muntiacus</i>	Forest	Omnivore	Throughout the year	Good	Good			Nil		Locals
Mammal	Rabbit	<i>Oryctolagus cuniculus</i>	Forest	herbivore	Throughout the year	Good	Good			Nil		Locals
Mammal	Jangli Sur	<i>Sus scrofa</i>	Forest	Omnivore	Throughout the year	Good	Good		Pest; cause extensive damage to all crops	Nil		Locals
Mammal	Porcupine /Say	<i>Erethizon dorsatum</i>	Forest	Porcupines have soft hair but on their back,sides &tail it is mixed with sharp quills	Throughout the year	Good	Good	Meat	-	Nil	destroy maize crop	Local people
Insects	ants/ Keediya	<i>Brachymyrmex patagonicus</i>	Forest	Common insects	Throughout the year	Good	Good	-	-	Nil	-	Local people
Insects	Wasp/ Tarmudi	<i>Polistes versicolor</i>	Forest	Predatory :captures insects &feed on pollen &nectar	Throughout the year	Good	Good	It can be useful as a pollinator or as effective pest control		Nil		Local people
Reptiles	Monitor lizard/ Kro	<i>Varanus spp</i>	Forest	Possess an elongated head &neck,heavy body,long tail,well developed legs	Throughout the year	Good	moderate			Nil		Local people
Reptiles	Kilkodi Kirli/Chipkli	<i>Hemidactylus frenatus</i>	Forest	The bulk of the diet of lizard is made up of invertebrate (cockroaches,termites,bees ,wasps etc)	Throughout the year	Good	moderate			Nil		Local people
wild animal	Nyol	<i>Herpestes edwardsii</i>	Forest	lives in burrows,hedgerows &thickets among groves of trees	Throughout the year	Good	decreased			Nil		Local people
Birds	Indian cuckoo	<i>Cuculus micropterus</i>	Forest	solitary &Shy Bird	Throughout the year	Good	decreased			Nil		Local people

Birds	Koel	<i>Eudynamys scolopaceus</i>	Forest	long tailed cuckoo,very vocal during the breeding season	Throughout the year	Good	decreased			Nil		Local people
Birds	Quail/Batere	<i>Coturnix coturnix</i>	Forest	They have small heads &short broad wings along with long &square tail	Throughout the year	Good	decreased	Meat		Nil		Local people
Birds	Grey francolin/Titr	<i>Francolinus pondicerianus</i>	Forest	They are terrestrial birds that feed on insects,vegetable matter &seeds	Throughout the year	Good	few	Meat		Nil		Local people
Birds	Kabutr	<i>Columba spp</i>	Forest	They possess boat shaped streamlined body that is well adapted for aerial life	Throughout the year	Good	Good			Nil		Local people
Birds	Papiha	<i>Hierococcyx varius</i>	Forest	Medium sized cuckoo	Throughout the year	Good	moderate			Nil		Local people
Birds	Dove/Kuggi	<i>Columba spp.</i>	Forest	Relatively stout bodies with short legs &short beaks	Throughout the year	Good	moderate			Nil		Local people
Bird	Eurasian Eagle Owl	<i>Bubo bubo</i>	Forest		Throughout the year	Good	Rare			Nil		Local People
Bird	Oriental Magpie Robin	<i>Copsychus saularis</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Scaly breasted munia	<i>Lonchura punctulate</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Long tailed minivet	<i>Pericrocotus ethologus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Slaty headed Parakeet	<i>Psittacula himalayana</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Yellow billed blue magpie	<i>Urocissa flavirostris</i>	Forest		Throughout the year	Good	Good			Nil		Local People

Bird	Himalayan Swiftlet	<i>Aerodramus brevirostris</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Hair crested drongo	<i>Dicrurus hottentottus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Brown Crake	<i>Zapornia akool</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Jungle Prinia	<i>Prinia sylvatica</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Black Red Start	<i>Phoenicurus ochruros</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	White breasted waterhen	<i>Amaurornis phoenicurus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Eurasean Hoopoe	<i>Upupa epops</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Barn Swallow	<i>Hirundo rustica</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	White tailed Eagle	<i>Haliaeetus albicilla</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Brown Snake Eagle	<i>Circaetus cinereus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Himalayan Prinia	<i>Prinia crinigera</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Blue throated barbet	<i>Psilopogon asiaticus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Black francolin	<i>Francolinus francolinus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Shikra	<i>Accipiter badius</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Yellow throated Sparrow	<i>Gymnoris xanthocollis</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Khalij Pheasant	<i>Lophura leucomelanos</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	India roller	<i>Coracias bengolensis</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Pied bushchat	<i>Saxicola caprata</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Crested honey buzzard	<i>Pernis ptilorhynchus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Long billed crow	<i>Corvus macrorhynchos</i>	Forest		Throughout the year	Good	Good			Nil		Local People

Bird	White throated kingfisher	<i>Halcyon smyrnensis</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Cattle Egret	<i>Bubulcus ibis</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Cinereous tit	<i>Parus cinereus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Rufous treepie	<i>Dendrocitta vagabunda</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Black drango	<i>Dicrurus macrocercus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Purple Sunbird	<i>Cinnyris asiaticus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Blue whistling thrush	<i>Myophonus caeruleus</i>	Forest		Throughout the year	Good	Good			Nil		Local people
Bird	Fulvous breasted wood pecker	<i>Dendrocopos macci</i>	Forest		Throughout the year	Good	Good			Nil		Local people
Bird	Greater coucal	<i>Centropus sinensis</i>	Forest		Throughout the year	Good	Good			Nil		Local people
Bird	Grey hooded warbler	<i>Phylloscopus xanthoschistos</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Red Capped red start	<i>Phoemicurus leucocephalus</i>	Forest		Throughout the year	Good	Good			Nil		Local People
Bird	Chir Pheasant	<i>Catreus wallichii</i>	Forest		Throughout the year	Good	Rare			Nil		Local People
Bird	Sirkeer malkoha	<i>Phaenicophaeus leschenaultii</i>	Forest		Throughout the year	Good	Rare			Nil		Local People
Bird	Chidi	<i>Passer domesticus</i>	Forest		Throughout the year	Good	Good			Nil		Local People

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks
1	<p>During the meetings with no. of local people, we have observed that there is drastic change in both flora & fauna of the area. Some of the Species have become rare whereas some have increased their population. Species like Leopard, Red jungle fowl, Barking Deer, have increased, they told that there is no hunting in the area due to which these species have increased their population. They have told that now, Wild Boar & Peacock are often seen in the farm fields. On the other hand few species have either extincted or or have decreased drastically. House Sparrow, Vulture, Hoppie, Sarker markoha, Indian Cow, Oxen, Buffalows have decreased drastically. They have replaced Eucalyptus & Poplar from the farm fields due to non availability of local market. The demand of <i>Leucaenia</i> spp. have increased among cattle rearing community. One of the old person reported that once there was no. of Akhrot (<i>Juglans regia</i>) trees in the area but today very few are available. The production of Anardana have decreased due to borer attack on the unripe fruit. No viable solution for the borer have been known among the farmers. He also said that once upon a time there was also 15 important local varieties of mango but today only two or three are there rest have totally extincted from the entire jurisdiction of BMC. Local Amla, Citrus like kimb, Nimbu, Galgal have been replaced with hybrid varieties. Wild Mushroom which is locally known as "Daabey" is the chance game now, which was abundant once upon a time. The production of "Guchi" (<i>Morchela esculenta</i>) have also decreased. The intelligentsia have urged to conserve the local varieties of Mango, Citrus, Pulses, Plash, Cow & Buffaloes. Whereas the population of Goat & Sheep have increased. Indian Chicken has decreased but poultry chicken have increased. The information was mainly shared by members of BMC, PRI, Old man of the Village, Gujjar & Bakerwal</p>	

End of Part II