

People Biodiversity Register (PBR): General Details

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| Name of the Panchayat Samiti Siot Upper |
| Taluk Siot Upper |
| District:Rajouri |
| State:Jammu And Kashmir |
| Geographical Area of the Panchayat Samiti: 6.07 |
| Population under the Panchayat Samiti: Total 4244 |
| Male: 2200 Female: 2044 |
| Habitat and Topography:Hilly |
| Climate (Rainfall, Temperature and weather patterns) :Subtropical Temperature with Moderate Rainfall |
| Land Use (Nine fold classification available with village records) |
| Date, Month and Year of PBR Preparation 2020-21 (Updation Date : 11-09-2022) |
| Management Regime: Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM) |

Annexure 1

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

1)Name of the Chairperson: Kailash Rani W/o Raghubir lal

Age: 65 Yrs

Gender Female

Address: Siot Ward No. 2

Area of specialization:

2) Name: Amit Sharma S/o Nobat Ram

Age:35 Yrs

Gender: Male

Address: Siot

Area of specialization:

3)Name:Chander Bala W/o Suresh Kumar

Age:48

Gender:female

Address: Siot

Area of specialization:

4)Name: Kailash Devi W/o Darshan Kumar

Age: 42

Gender: Female

Address: Siot

Area of specialization:

5)Name: Rattan Lal S/o Bichhafer Ram

Age: 42

Gender: Male

Address: Siot

Area of specialization:

6)Name: Rakesh Kumar S/o Sat bhushan Lal

Age: 32 Yrs

Gender: Male

Address: Siot

Area of specialization:

7)Name:Bal Raj S/o Thakur Dass

Age: 69

Gender: Male

Address: Siot

Area of specialization:

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 : Nand Lal |
| Age: 55 Yrs |
| Gender: Male |
| Address: Ward No. 4 Dharam Guda |
| Area of specialization: Traditional Health Care (Human) |
| Location from which the person accesses biological material: |
| Perception of the practitioner on the resource status: |
| Medicinal Use: Fixes the dislocated joint bones |
| 2) Name: |
| Age: Nil |
| Gender: Nil |
| Address: Nil |
| Area of specialization: |
| Location from which the person accesses biological material: |
| Perception of the practitioner on the resource status: |
| Medicinal Use: |
| 3) Name: Nil |
| Age: Nil |
| Gender: Nil |
| Address: Nil |
| 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 Jagdish Raj S/o Daya Ram |
| Age: 65 Yrs |
| Gender: Male |
| Address: Ward no. 4 |
| Area of specialization: Agriculture |
| 2) Name Ram Lal |
| Age: 58 Yrs |
| Gender: Male |
| Address: Upper Siot |
| Area of specialization: Horticulture |
| 3) Name Subash Chander S/o Tulsi Das |
| Age: 68 Yrs |
| Gender: Male |
| Address: Upper Siot Ward No. 5 |
| Area of specialization: Agriculture |
| 4) Name : Surinder Kumar |
| Age: 60 Yrs |
| Gender: Male |
| Address: Upper Siot |
| Area of specialization: Horticulture |
| 5) Name Mukand Lal |
| Age 45 Yrs |
| Gender Male |
| Address Upper Siot |
| Area of Specialization Agriculture |

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: 8803292602

Name and Address: Ashok Kumar Siot

2) Contact Person: Naib Sarpanch Contact No. 9086012010

Name and Address: Sham Saroop S/o Tilak Raj R/o Ward No. 4

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

Annexure 5

Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing

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

End of Part I

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 | | | | | | | |
| 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 when chopped & 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, carb ohydrates | | 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/subtropi cal/dry & cool weather | | Normal | Normal | legumecrop; climbi ng 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, d ietary fiber, calcium, phosphor us | 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 | prevalent hybrid varieties | Plains/cool & moist | | 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 |

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|-----------|----------------------------|-------------------|----------------------------|--|--|--------|--------|---|-------------------|---|--|---|---|---------|
| 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 |

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 | | | | | | |
| Lemon | Citrus X sinensis | Nimbu | Hybrid | Semi Hilly | Normal | Normal | Horticulture Deptt. | 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 |

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 | | | | | |
| Oats | <i>Avena spp.</i> | Javi | Cool & moist climate/Farm lands | Normal | Normal | Farmers/Department/Private Suppliers | Nutritious & palatable fodder, | Above ground part of plant | Fodder | Farmers |
| Sorghum | <i>Sorghum spp.</i> | cherri | Warm & humid/Farm lands | Abundant | Abundant | Farmers/Department/Private Suppliers | Source of energy | Above ground part of plant | Fodder | Farmers |
| Maize | <i>Zea mays</i> | Charra | Warm & humid/Farm lands | Abundant | Normal | Farmers/Department/Private Suppliers | Source of energy | Above ground part of plant | fodder | Farmers |
| Bajra | <i>Pennisetum americanum</i> | Bajra | Warm & humid/Farm lands | Abundant | Normal | Farmers/Department/Private Suppliers | Source of energy | Above ground part of plant | Food & fodder | Farmers |
| | | | | | | | | | | |
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| 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 | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | NA | Plenty | | Uprooting | Nil | Exotic | Farmers |
| Wild Kulthi | <i>Atylosia scarabaeoides</i> | Wild Kulthi | All crops | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Fairly available | Plenty | Pulses | Uprooting | Nil | Indigenous | Farmers |
| Himalayan mimosa | <i>Mimosa rubicaulis</i> | Raal | All crops | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Plenty | Plenty | | Uprooting | Nil | Indigenous | Farmers |
| Common Vetch | <i>Vicia sativa</i> | Jowal | All crops | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Plenty | Plenty | | Uprooting | Nil | Indigenous | Farmers |
| Wild indigo | <i>Tephrosia purpurea</i> | Sirponkhi | All crops | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Plenty | Plenty | Vegetable | Uprooting | Nil | Indigenous | Farmers |

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|-----------------|-----------------------------|-------------------------------|--------------------|---------------|--|----------|----------|---------------------------|--------------------------------------|---|------------|---------|
| Caragana | <i>Caragana gerardiana</i> | Pattaki | All crops | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Plenty | Plenty | | Uprooting | Nil | Indigenous | Farmers |
| True Indigo | <i>Indigofera tinctoria</i> | Kathi | All crops | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Plenty | Plenty | Natural dye | Uprooting | Nil | Indigenous | Farmers |
| Hemp | <i>Cannabis sativa</i> | Bang | Kharif Crops | Reduces yield | 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 | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Normal | Normal | | Mechanical, Chemical | Nil | Exotic | Farmers |
| Dub Grass | <i>Cynodon dactylon</i> | Dub grass | Rabi/ Kharif | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Abundant | Abundant | Fodder | Mechanical, Chemical | Nil | Exotic | Farmers |
| Pig Weed | <i>Amaranthus viridis</i> | Jangli Choulai/Chaleri | Maize | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Normal | Normal | Eaten as boiled green veg | Physical, Mechanical, Chemical | Rich Source of protein & amino acid | Exotic | Farmers |
| Lamb's quarters | <i>Chenopodium album</i> | Bathua/ Kanah/Wild Spinach | Wheat, Pea, Potato | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Normal | Normal | Eaten as boiled green veg | Physical, Mechanical, Chemical | Rich Source of protein, Vit. A, Calcium, Phosphorous & potash | Exotic | Farmers |

| | | | | | | | | | | | | |
|----------------|--------------------------|---------------------|---------------------------------|------------------|---|----------|----------|--------------------|-------------------------|------------------------------------|--------|---------|
| Canary Grass | <i>Phalaris minor</i> | Sitti | Wheat Grass Peas, mustard | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Abundant | Abundant | Fodder & forage | Mechanical, Chemical | Source for High quality protein | Exotic | Farmers |
| Meadow Pea | <i>Lathyrus aphaca</i> | Maintri | Wheat Grass Peas, mustard | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Normal | Normal | Fodder | Mechanical, Chemical | Nil | Exotic | Farmers |
| Canada Thistle | <i>Cirsium arvense</i> | creeping thistle | Wheat gram, Barley | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Normal | Normal | | Mechanical, Chemical | Nil | Exotic | Farmers |
| Wild oats | <i>Avena fatua</i> | Jangli Javi | Oats | Reduces yield | Plain and hilly/ Subtropical/ Farm fields | Rare | Rare | Fodder | Mechanical, Chemical | Nutrativ Fodder for Animals | Exotic | Farmers |
| Jhonson Grass | <i>Sorghum halepense</i> | Beru grass | Sorghum | Reduces yield | 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 | | | Cause of Ear Cockle Disease | Farmers |
| Wheat | Ghujia weevil | <i>Sitophilus granarius</i> | Keede | Warm climate/Farm fields | October-November/Rabi Crops | | | | Farmers |
| Wheat | Wheat aphid | <i>Sitobion miscanthi</i> | | Cool & Moist Climate | Throughout the year | | | Sucks the sap from plants | Farmers |
| Wheat | Gram pod borer | <i>Helicoverpa armigera</i> | Pangukuta | Warm climate/Farm Fields | Dec-Jan | | | | Farmers |
| Wheat | Termite | <i>Microtermes obesi</i> | Keediya | Cool & Moist Climate/Farm fields | Rabi crops | | | Feed on root, stem of growing plants | Farmers |
| Wheat | Army worm | <i>Spodoptera frugiperda</i> | Ludi | Cool & Moist Climate/ Farm fields | Oct-Feb | | | 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 | | | | Farmers |
| Maize | Maize leaf hoppers | <i>Dalbulus maidis</i> | Tridda | Cool & Moist Climate/ Farm fields | Kharif | | | | Farmers |

| | | | | | | | | | |
|--|------------------|---------------------------------------|-------------|---|---------------------|------------------------------|--|---|---------|
| Maize | Stem borer stalk | <i>Busseola fusca</i> | Ludi | Cool & Moist Climate/ Farm fields | Kharif | | | | 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 and Pulses | Blister beetle | <i>Mylabris spp</i> | Ghuri | Cool & Moist Climate/ Farm fields | Jun-Oct | Chemical measures | | | Farmers |
| All Crops | Field rat | <i>Rattus meltada</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 | Cool & Moist Climate/ Farm fields | 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 |
| | | | | | | | | |
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| <p>Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)</p> | | | | | | | | |

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 / Muslim | 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 and few Nomads | 825 |
| Total Population : 4244 | | | | | | | | | | |
| Male :2200 &Female :2044 | | | | | | | | | | |
| | | | | | | | | | | |

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.

Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc

How the community manages the landscapes they use for satisfying different needs, their strategies and perception

How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8: Landscape

| 1 | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|--|------|-------------|------------------|--|------------------------|--|--|----------------------------|----------------------------------|---------------------------------|---------------|---------------|---------------------|-----------------|
| Major Landscapes | | | Sub - Landscapes | Feature s and approx. area | Ownership | General flora | General fauna | User groups | Management practices | General uses | Associated TK | Other details | Community accessed | |
| Agricultural land | Pond | Fallow land | | | | | | | | | | | | |
| Agricultural land | | | Maize | Open land | Private | Wheat,maize,dal mash, bajra, soyabean, till | Monkey,rabbit,p orcupine, 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,medi cines,fruit | | | Locals | |
| | | | | | | | | | | | | | | Nomadic grazers |
| Fallow land | | | | | Forest/State | | | | | | | | | |
| Pond | | | | Standing water for habitat of plants and animals | Forest/ State/ Private | Algae,pteridophyt es,fungi,bryophyll um, water lilies,water hyacinth,bhang,grass | Fishes,Frogs, Snakes,Snails &Leech | locals | Desilting,dredging,blue pond dye | Drinking and irrigation purpose | | | Locals,Wild Animals | |
| Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements | | | | | | | | | | | | | | |

Format 9: Waterscape

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------------------|----------|--|-----------------------------|----------------|---------------|--|-----------------------|--|---|---------------|---------------|----------------------|
| Waterscape element type | Sub-type | Features and approx area | Ownership | General flora | General fauna | Major uses | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| 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 | | | | | | | |
| tawi | | 2 kms (approx.) | State land | Algae | Fishes | Domestic purpose, irrigation etc | Locals & Wild animals | | Cows and buffaloes come to the river for drinking water & for bathing | | | Locals, wild animals |
| | | | | Pteridophyte | Amphibians | | | | | | | |
| | | | | Water hyacinth | Prawn | | | | | | | |
| | | | | Fern | Snail | | | | | | | |

| | | | | | | | | | | | | |
|-----------|--|--|-----------------------------|----------------|------------|---|----------------------|--|--|--|--|----------------------|
| | | | | | Snakes | | | | | | | |
| | | | | | Leech | | | | | | | |
| | | | | | Crab | | | | | | | |
| Nallah | | | Private,forest land | Algae | Amphibians | Domestic purpose, Ecotourism | Locals &Wild animals | | | | | Locals, Wild Animals |
| | | | | Pteridophyte | Prawn | | | | | | | |
| | | | | Water hyacinth | Snail | | | | | | | |
| | | | | Fern | Snakes | | | | | | | |
| | | | | | Leech | | | | | | | |
| | | | | | Crab | | | | | | | |
| Bowlis | | | forest/ State/ Private land | | | 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 |
| Tube well | | | Private/Stae land | | | Domestic purpose like drinking, Bathing etc | Locals | | | | | Locals |

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

Format 10: Soil type

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------|---------------------------------|--|-----------------|--|---|---------------|-------------------|
| Soil Type | Color & Texture | Features | Soil management | Plants / crop suitable | Flora and fauna | Associated TK | 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 | | |
| Sandy soil | Light grey color,coarse texture | Highly porous,low nutrients &poor Water holding Capacity | | All herbaceous plants,angiosperms and gymnosperms,maize,barley, wheat.amla | Bacteria, fungi, algae, protozoa, Earthworm nematodes, acarids, ant, centipede, millipede | | |
| Rocky soil | black | Hard texture | | bryophyte | Mosses, lichens, fungi, algae | | |
| Loamy soil | Dark brown | Water holding capacity ,anchoring property,xerophytic | | | Herbaceous plants | | |
| Clay | Light Brown | Water holding Capacity, anchoring property | | Nerium, Agave, Cactus, Aloe vera | Bacteria. Fungi, Algae, Protozoa, Earthworm etc | | |

Format 11: Fruit Trees

| 1 | 2 | 3 | 4 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 |
|--------------|--|---------------------------------|----------------------------------|---------------------------------|--------------|---------|-------------------------------|--------------------|-----------------------------|---------------|------------------------------|-------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Landscape/ Habitat | Local Status | | Source of plant/seeds | Season of Fruiting | Uses (usage) | Associated TK | Other details market/own use | Community/ Know. holder |
| | | | | | Past | Present | | | | | | |
| Mango | Amb | <i>Mangifera indica</i> | Desi, Dusheri, 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 |

| | | | | | | | | | | | | |
|---------|-----------|----------------------------|---------|------------------------------|--------|--------|----------------|-----------|-------|--|---------|--------------|
| Karonda | Garnay | <i>Carissa carandas</i> | Local | Hills,Plains/ Subtropical | Rare | Rare | Wild, Local | Jun - Aug | Fruit | | Own Use | Locals |
| Banana | kela | <i>Musa paradisiaca</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 |

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|------------|------------------|-----------------------------|---------|--------------------------------------|-------------------------------|--------------|----------|---|-------------------------------|---|------------------------------|--------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Landscape/ Habitat | Source of plant/seeds | Local status | | Uses (usage) | Part used | Associated TK | Other details market/own use | Community/ Know. Holders |
| | | | | | | Past | Present | | | | | |
| Herb | Datura | <i>Datura stramonium</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Moderate | 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> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | 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 Hawan | Own use | Local people |
| Shrub | Nagfani (Cactus) | <i>Opuntia ficus-indica</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Moderate | | Leaves | | Own use | Local people |
| Shrub | Amaltas | <i>Cassia fistula</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Moderate | | | diabetes | Own use | Local people |
| Shrub | Billan | <i>Aegle marmelos</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | Unripe fruits are used to make medicine | Leaves | Leaves are offered to Lord Shiva | Own use | Local people |
| Tree | Jammun | <i>Syzygium cuminii</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Rare | | Fruit | Increases Heamoglobin count | Own use | Local people |

| | | | | | | | | | | | | |
|-------|---------------|-------------------------------|--|--------------------------------------|-------------------------------|----------|----------|---|--------------------|--|---------|--------------|
| Herb | Tulsi | <i>Ocimum sanctum</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | 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> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | Fresh & Dried Leaves are used to make Chutney | Leaves | Treat indigestion | Own use | Local people |
| Shrub | Black berry | <i>Rubus allegheniensis</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Moderate | | fruits | Diarrhoea treatment | Own use | Local people |
| Shrub | Kakkar Singhi | <i>Pistacia khinjuk</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Rare | Rare | | stem | Treating bronchitis | Own use | Local people |
| Shrub | Rumbal | <i>Ficus racemosa</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | Fruits are edible and leaves are used for fodder | Root/ Wood/ Fruits | Wood is used in Hawan and fruits are extensively eaten by monkeys | Own use | Local people |
| Tree | Trimbal | <i>Ficus auriculata</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | Leaves are used for fodder and for plates | Fruit/ Leaves | Indigestion treatment | Own use | Local people |
| Tree | Fakor | <i>Ficus Palmata (Edible)</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Moderate | Fruits are edible | Fruit | Fruit is useful against stomach disorders | Own use | Local people |
| Tree | Bhor | <i>Ficus bengalensis</i> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | 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> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | Amla is rich in Vit. C which helps in Improving immunity;Effective againt 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>Terminallia bellirica</i> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Moderate | | Fruit | Respiratory diseases | Own use | Local people |
| Shrub | Harad/Reed | <i>Terminalia chebula</i> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | Rare | Known to increase appetite &improves digestion and absorption | fruit | Used as a Vegetable and pickle.Used to trate dry cough | Own use | Local people |
| Shrub | Kakoa | <i>Flacourtia indica</i> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Moderate | Fruits are edible &Leaves used as fodder for Sheep &Goats | fruit/ Leaves | Use in snake bite | Own use | Local people |
| Tree | Kamila | <i>Mallotus phillipensis</i> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | | fruit | Skin diseases | Own use | Local people |
| Shrub | Kayora | <i>Agave americana</i> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | 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) | Own use | Local people |
| Shrub | Kainth | <i>Pyrus pashia</i> | | Plains &Lowland Valleys/Subtropical | Department/ Private Suppliers | Moderate | 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> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | Good | Good | 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> | | Plains & Lowland Valleys/Subtropical | Department/ Private Suppliers | 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> | | Lower shivalik | Department/ Private Suppliers | 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> | | Lower shivalik | Department/ Private Suppliers | 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 |
| <p>Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide) Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal</p> | | | | | | | | | | | | |

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 | Moderate | Wild | Timber | Pine needle Vases are made | used for fuel wood,torch wood,funeral wood &furniture | Bakerwal,locals |
| Tree | Kambel | <i>Lanea coromandelica</i> | Subtropical | Good | Moderate | Wild | Timber | | | Bakerwal |
| Tree | Tuni | <i>Toona ciliata</i> | Subtropical | Good | Moderate | Wild | Timber | | | Locals |
| Tree | Kamila | <i>Mallotus philippensis</i> | Subtropical | Good | Moderate | Wild | Timber | | | Local natives of area |
| Tree | Phulai | <i>Acacia modesta</i> | Subtropical | Good | Moderate | Wild | Timber | As tooth brush | | Local natives of area |
| Tree | Draink | <i>Melia azedarach</i> | Subtropical | Good | Moderate | 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 | Moderate | 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 | Moderate | Wild | Timber | | | Local natives of area |
| Tree | Safeda | <i>Eucalyptus</i> | Subtropical | Good | Good | Wild | Timber | Used for Construction purposes | | Local natives of area |
| Tree | Akhrot | <i>Juglans regia</i> | Subtropical | Rare | Rare | Wild | Timber | Edible fruit | | Local natives of area |
| Tree | Khirak | <i>Celtis australis</i> | Subtropical | Good | Good | Wild | Timber | Fodder/Fuel | | 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 | Normal | 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 of Goats | Medium | Medium | Milk/ Meat | | Yes | Nil | Locals |
| Sheep | Pid | <i>Ovis aries</i> | Both | Herbivorous,highly developed flocking instinct | Open flock of sheep | 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> | local | black colored mostly | Pet,Stray | Normal | Normal | kept for guarding purpose | | No | | Locals |

| | | | | | | | | | | | | |
|--|----------|--------------------|-------|---|---------------|--------|------|---|--|------|-------------------------|--------|
| Cat | billi | <i>Felis catus</i> | local | Grey/white color Carnivores | pet/stray | Normal | Rare | pet | | 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 | Normal | Rare | Working Animals, Cart; us ed to ferry people & goods | | No | Means of transportation | Locals |
| Uses include milk, meat, skin, fur and etc | | | | | | | | | | | | |

WILD BIODIVERSITY

Format 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc.

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
|---------------------------------|------------|---------------------------------|-------|-------------|--------------|---------|----------------------|----------------|---|---|----------------------------|
| Plant Type | Local Name | Scientific Name | Habit | Habitat | Local status | | Commercial / own use | Part collected | Associated TK | Other details | Community Knowledge Holder |
| | | | | | Past | Present | | | | | |
| Evergreen Woody Perennial | Santha | <i>Dodonaea viscosa</i> | Shrub | Subtropical | Good | Good | 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 | Good | Good | 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 | Good | Good | 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 | Good | Good | Own use | Flower/Fruit | Aesthetic value and Religious Value | Used in Worshipping of Lord Shiva | Locals |
| Perennial | Thor | <i>Euphorbia royleana</i> | Shrub | Subtropical | Good | Good | Own use | Stem | Food(mixed with curd) | | Locals |
| Annual/ Perennial | Akk | <i>Ipomea carnea</i> | Shrub | Subtropical | Good | Good | Own use | Root | Live hedge | Ornamental | Locals |
| Annual | Jari | <i>Parthenium hysterophorus</i> | Shrub | Subtropical | Good | Good | Own use | | Weed | | Locals |

| | | | | | | | | | | | |
|-------------------------------------|--------------|---------------------------------|-------------------|-------------|------|------|---------|-----------------------------|---|---|--------|
| Perennial | Daduni | <i>Punica granatum</i> | Plant | Subtropical | Good | Good | Own use | fruit | Anardana | | Locals |
| Annual/ Perennial | Jojra | <i>Pupalia lappacea</i> | Herb | Subtropical | Good | Good | Own use | Leaves | Weed | | Locals |
| Perennial | Bana | <i>Vitex nigundo</i> | Shrub | Subtropical | Good | Good | 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 | Locals |
| Annual,bienn ial or Perennial | Timbru | <i>Zanthoxylum alatum</i> | Shrub | Subtropical | Good | Good | 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 | Good | Good | Own use | Stem | Medicinal | | Locals |
| Perennial | Doab grass | <i>Cynodon dactylon</i> | Shrub | Subtropical | Good | Good | Own use | Leaves | Fodder | | Locals |
| Perennial | Puthkanda | <i>Achyranthes aspera</i> | Herb | Subtropical | Good | Good | Own use | Stem/Seeds/Roots &Leaves | Aesthetic and Religious Value | | Locals |
| Perennial | Kai | <i>Saccharum spontaneum</i> | Grass | Subtropical | Good | Good | Own use | Leaves | Aesthetic | used in making of Huts | Locals |
| Perennial | Giloe/ Gdund | <i>Tinospora cordifolia</i> | Climbing Shrub | Subtropical | Good | Good | Own use | Stem | Stomach treatment | Immunity booster;used against Typhoid fever | Locals |

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

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

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|-------|-------------------|------------------------|--|--|------|----------|--|-------------------------|--------|---------|--------------|
| Herb | Kainth | <i>Pyrus pashia</i> | | Low land valleys/ Subtropical/ Wild | Good | Moderate | Wild fruit | Medicinal | Fruit | Own use | Local people |
| Herb | Bhang | <i>Cannabis sativa</i> | | Low land valleys/ Subtropical/ Wild | Good | Moderate | Sedative | Medicinal,Religi ous | Leaves | Own use | Local people |
| Shrub | ber | <i>Zyziphus jujuba</i> | | Low land valleys/ Subtropical/ Wild | Good | Moderate | Leaves are nutritious fodder for goats | Medicinal | Fruit | Own use | Local people |
| Shrub | Brenkad | <i>Adhatoda vasica</i> | | Low land valleys/ Subtropical/ Wild | Good | Moderate | Pesticide | Medicinal | leaves | Own use | Local people |
| Herb | Pudina/ Puttna | <i>Mentha spp.</i> | | Low land valleys/ Subtropical/ Wild | Good | Moderate | Improve appetite | Medicinal | leaves | Own use | Local people |
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Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)
Other details: Harvesting period /Perennial/annual/seasonal

Format 23: Wild relatives of Crops

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|-------------------|--------------------------|--------------------------|---------------------|--------------|----------|--------------|-------------|-------------------|---------------|-------------------------|
| Local Name | Scientific Name | Associated crop | Landscape / Habitat | Local Status | | Uses (usage) | Part Used | Associated TK | Other details | Community / Know holder |
| | | | | Past | Present | | | | | |
| Ber | <i>Ziziphus Jujube</i> | <i>Zipus mauritiana</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</i> | Wild | Good | Normal | Edible fruit | Fruit | | | Local people |
| Local Mango | <i>Mangifera indica</i> | <i>Magnifera indica</i> | Wild | Good | Normal | Edible fruit | Fruit | | | Local people |
| Wild Musroom | <i>Agaricus bisporus</i> | <i>Agaricus bisporus</i> | Wild | Abundant | Rare | vegetable | Whole plant | Used as veegtable | Domestic use | Local People |
| Wild Palak | <i>Ajuga reptens</i> | | Wild | Abundant | Rare | Edible Leaf | Leaf | | Domestic use | Local people |
| Wild Tobacco | <i>Verbascum thapsus</i> | <i>Nicotiana</i> | Wild | Abundant | Declined | Smoking | Whole plant | | Domestic use | Local people |
| burn mouth - vine | <i>Rhynchosia minima</i> | <i>Rhynchosia minima</i> | Wild | Abundant | Declined | Pulses | Seed | Pulses | Domestic use | Local people |
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Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

Format 24: Ornamental Plants

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------------|-------------------------------|---------|----------------------|----------------------------------|---------------|------------------|-----------------------------|
| Local Name | Scientific Name | Variety | Habitat | Commercial / Non-commercial Uses | Associated TK | Any other Detail | Community/ Knowledge Holder |
| Ashoka tree | <i>Polyalthia longifolia</i> | Local | Subtropical/ Wild | Ornamental | - | | Local |
| Morpankhi | <i>Platyclusus orientalis</i> | Local | Subtropical/ Wild | Ornamental | | | Local |
| Saptarni tree | <i>Alstonia scholaris</i> | Local | Subtropical/ Wild | Ornamental | - | | Local |
| Red bottle brush | <i>Callistemon citrinus</i> | Local | Subtropical/ Wild | Ornamental | - | | Local |
| Money plant | <i>Epipremnum aureum</i> | Local | Subtropical/ Wild | Ornamental | - | | Local |
| Life plant | <i>Bryophyllum pinnatum</i> | Local | Subtropical/ Wild | Ornamental | - | | Local |
| Surajmukhi | <i>Helianthus annuus</i> | Local | Subtropical/ Wild | Edible oil | - | | Local |
| Gulaab | <i>Rosa spp.</i> | Local | Subtropical/ Wild | ornamental | - | | Local |
| China rose | <i>Hibiscus rosa-sinensis</i> | Local | Subtropical/ Wild | ornamental | | | Local |
| Bougainvillea | <i>Bougainvillea glabra</i> | Local | Subtropical/ Wild | Ornamental | - | | Local |
| Amaltas | <i>Cassia fistula</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |

| | | | | | | | |
|----------------------|--------------------------------|-------|----------------------|----------------------|-------|--|--------------|
| African daisy | <i>Senecio pterophorus</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Cheeseberry | <i>Rubus ellipticus</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Paper mulberry | <i>Broussonetia papyrifera</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Garden violet | <i>Viola odorata</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Indian Borage | <i>Trichodesma indicum</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| South african daisy | <i>Senecio inaequidens</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Thistle | <i>Sonchus asper</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Creeping wood sorrel | <i>Oxalis corniculata</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Indian Sweet Clover | <i>Melilotus indicus</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Melancholy thistle | <i>Cirsium heterophyllum</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Indian fumitory | <i>Fumaria parviflora</i> | Local | Subtropical/ Wild | Ornamental/ Medicine | ----- | | Local people |
| Spanish needle | <i>Bidens alba</i> | Local | 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 lemon</i> | | Slopy/plain | Good | Good | As food | Fruit | Vit.c source | | Local people |
| Herb | Puthkanda | <i>Achyranthes aspera</i> | | Hilly | Good | Good | Medicine | Leaves | Aesthetic value | | Gujjar |
| Shrub | Lemon grass | <i>Cymbopogon citratus</i> | | Plain | Good | Good | Medicine | Leaves | | | Gujjar |
| Tree | Khair | <i>Acacia catechu</i> | | Hilly | Moderate | Rare | Timber | Stem | conjunctivitis | | bakerwal |
| Herb | Payaz | <i>Allium cepa</i> | | Plain | Moderate | Moderate | Food | Stem | Diabetis | | Gujjar |
| Herb | Thoom | <i>Allium sativum</i> | | Plain | Moderate | Moderate | Food | Bulb | High b.p | | Gujjar |
| Herb | Adhrak | <i>Zingiber officinale</i> | | Plain | Moderate | Moderate | Food | Root | digestion | | Bakerwal |
| Tree | Neem | <i>Azadirachta indica</i> | | plain | Moderate | Rare | medicine | All | Leprosy | | Mix |
| Tree | Simbloo | <i>Berberis lycium</i> | | Hilly | Moderate | Moderate | Medicine | All | Diabetes | | Mix |
| Herb | Gungloo | <i>Brassica rapa</i> | | Plain | Moderate | Moderate | Food | Root | Veg | | Locals |
| Shrub | Bhang | <i>Cannabis sativa</i> | | Hilly /plain | Good | Good | Medicine | Leaves | Sedative | | Locals |
| Tree | Papita | <i>Carica papaya</i> | | Plain | | | Food | Fruit | Fruit | | Locals |
| Herb | Haldi | <i>Curcuma longa</i> | | Hilly | Rare | Moderate | Food | Root | Antiseptic | | Locals |
| Shrub | Brenker | <i>Adhatoda vasica</i> | | Hilly | Good | Good | Medicine | Leaves | preservative | | Locals |
| Shrub | Geloy | <i>Tinospora cordifolia</i> | | Plain/hilly | Rare | Rare | Medicine | Stem | pharmaceutical | | Locals |
| Herb | Aloevera | <i>Aloe barbadensis miller</i> | | Plain/slopy | Good | Good | medicine | All | Skin treatment | | Locals |
| Tree | curry tree | <i>Murraya koenigii</i> | | moist forest and agricultral land | Abundant | Abundant | Spice | leaves | Used as a flavouring agent in indian cuisines | | Local people |

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> | Subtropical/ Wild | Good | Moderate | Resin | Timber | | Bakerwal and local public |
| Tuni | <i>Toona ciliata</i> | Subtropical/ Wild | Good | Moderate | Timber | Cotton fiber | | Local natives of area |
| Drenk | <i>Melia azedarach</i> | Subtropical/ Wild | Good | Moderate | Medicinal | Timber | | Local natives of area |
| Toot | <i>Morus alba</i> | Subtropical/ Wild | Good | Moderate | Timber | Fruit | | Local natives of area |
| Tali | <i>Dalbergia sissoo</i> | Subtropical/ Wild | Good | Moderate | Timber | Timber | | Local natives of area |
| Safeda | <i>Eucalyptus globulus</i> | Subtropical/ Wild | Good | Moderate | E. Oil | Timber | | Local natives of area |
| Khirak | <i>Celtis australis</i> | Subtropical/ Wild | Good | Moderate | Timber | Edible seed | | Local natives of area |
| Simbal | <i>Bombax ceiba</i> | Subtropical/ Wild | Good | Moderate | Cotton fiber | Timber | | Local natives of area |
| Kamila | <i>Mallotus philippensis</i> | Subtropical/ Wild | Good | Moderate | Medicinal | Timber | | Local natives of area |
| Kambel | <i>Lannea coromandelica</i> | Subtropical/ Wild | Good | Moderate | Timber | Timber | | Local natives of area |
| Akhrot | <i>Juglans regia</i> | Subtropical/ Wild | Rare | Rare | Medicinal | Edible fruit | | Bakerwal, Locals |

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>Aegypius monachus</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Few | Scavanger | | | | Local natives of area |
| Insect | Titli | <i>Précis hierta</i> | Northern/ Sub-Tropical/ Wild | Arboreal Herbivore | Throughout the year | Good | Good | Nectar collector | | | | Locals |
| Insect | Trida | <i>Poecilocerus pictus</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | Pollination | | | | Locals |
| Bird | Jangli Murga | <i>Gallus gallus domesticus</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | Eggs | | | | Bakerwal |
| Bird | Kaa | <i>Corvus splendens</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | | | | | Bakerwal |
| Bird | Papiya | <i>Clamotor jacobinus</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | Pollination | | | | Locals |
| Insect | Demak | <i>Cryptotermes domesticus</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | Decomposer | | | | Locals |
| Insect | Kronkal | <i>Scolopendra morsitans</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | Decomposer | | | | Locals |
| Mammal | Khargosh | <i>Lepus nigricolis</i> | Northern/ Sub-Tropical/ Wild | Herbivore | Throughout the year | Good | Good | Meat | | | | Locals |
| Mammal | Chamgadard | <i>Pteropus giganteus</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | pollination | | | | locals |
| Bird | Gtaary | <i>Acridotheres tristis</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | Pollination | | | | Locals |

| | | | | | | | | | | | | |
|-----------|------------|------------------------------|------------------------------|----------------|---------------------|------|------|-----------------|---|--|--|--------------|
| Mammal | Paada | <i>Muntiacus muntjak</i> | Northern/ Sub-Tropical/ Wild | Rib faced deer | Throughout the year | Good | Rare | Meat | | | | Local people |
| Mammal | Gedhad | <i>Canis aureus</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | Carnivorous | | | | Locals |
| Mammal | Gilhari | <i>Fanambulus pennatii</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | | | | | Locals |
| Insect | Chakki | <i>Helix aspersa</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | Pollination | | | | Locals |
| Bird | Bagla | <i>Bubalcuribis</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | Scavenger | | | | Locals |
| Amphibian | Mendak | <i>Rana tigrina</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | Scavenger | | | | Locals |
| Insect | Madhumakhi | <i>Apis dorsata</i> | Northern/ Sub-Tropical/ Wild | Herbivore | Throughout the year | Good | Good | Honey | | | | Locals |
| Bird | Mor | <i>Pavo cristatus</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | Aesthetic value | | | | Locals |
| Reptiles | Saamp | <i>Naja naja</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Good | Good | | | | | Locals |
| Mammal | Bander | <i>Simiformes catarrhini</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | | Pest ;cause extensive damage to all crops | | | Locals |
| Mammal | Leopard | <i>Panthera pardus</i> | Northern/ Sub-Tropical/ Wild | Carnivore | Throughout the year | Rare | Rare | | | | | Locals |
| Mammal | Wild Boar | <i>Sus scrofa</i> | Northern/ Sub-Tropical/ Wild | Omnivore | Throughout the year | Good | Good | | Pest; cause extensive damage to all crops | | | Locals |

| | | | | | | | | | | | | |
|-------------|------------------------|---------------------------------|------------------------------|---|---------------------|------|-----------|---|---|---|--------------------|--------------|
| Mammal | Porcupine/Saya | <i>Erethizon dorsatum</i> | Northern/ Sub-Tropical/ Wild | Porcupines have soft hair but on their back,sides &tail it is mixed with sharp quills | Throughout the year | Good | Good | Meat | - | - | destroy maize crop | Local people |
| Insects | ants/ Keediya | <i>Brachymyrmex patagonicus</i> | Northern/ Sub-Tropical/ Wild | Common insects | Throughout the year | Good | Good | - | - | - | - | Local people |
| Insects | Wasp/ Tarmudi | <i>Polistes versicolor</i> | Northern/ Sub-Tropical/ Wild | Predatory :captures insects &feed on pollen &nectar | Throughout the year | Good | Good | It can be useful as a pollinator or as effective pest control | | | | Local people |
| Reptiles | Monitor lizard/Kro | <i>Varanus spp</i> | Northern/ Sub-Tropical/ Wild | Possess an elongated head &neck,heavy body,long tail,well developed legs | Throughout the year | Good | moderate | | | | | Local people |
| Reptiles | Kilkodi/ Kirli/Chipkli | <i>Hemidactylus frenatus</i> | Northern/ Sub-Tropical/ Wild | The bulk of the diet of lizard is made up of invertebrate (cockroaches,termites,bees,wasps etc) | Throughout the year | Good | moderate | | | | | Local people |
| wild animal | Nyol | <i>Herpestes edwardsii</i> | Northern/ Sub-Tropical/ Wild | lives in burrows,hedgerows &thickets among groves of trees | Throughout the year | Good | decreased | | | | | Local people |
| Birds | Indian cuckoo | <i>Cuculus micropterus</i> | Northern/ Sub-Tropical/ Wild | solitary &Shy Bird | Throughout the year | Good | decreased | | | | | Local people |
| Birds | Koel | <i>Eudynamys scolopaceus</i> | Northern/ Sub-Tropical/ Wild | long tailed cuckoo,very vocal during the breeding season | Throughout the year | Good | decreased | | | | | Local people |

| | | | | | | | | | | | | |
|-------|---------------------|----------------------------------|------------------------------|--|---------------------|------|-----------|------|--|--|--|--------------|
| Birds | Quail/Batere | <i>Coturnix coturnix</i> | Northern/ Sub-Tropical/ Wild | They have small heads & short broad wings along with long & square tail | Throughout the year | Good | decreased | Meat | | | | Local people |
| Birds | Grey francolin/Titr | <i>Francolinus pondicerianus</i> | Northern/ Sub-Tropical/ Wild | They are terrestrial birds that feed on insects, vegetable matter & seeds | Throughout the year | Good | few | Meat | | | | Local people |
| Birds | Kabutr | <i>Columba spp</i> | Northern/ Sub-Tropical/ Wild | They possess boat shaped streamlined body that is well adapted for aerial life | Throughout the year | Good | Good | | | | | Local people |
| Birds | Papiha | <i>Hierococcyx varius</i> | Northern/ Sub-Tropical/ Wild | Medium sized cuckoo | Throughout the year | Good | moderate | | | | | Local people |
| Birds | Dove/Kuggi | <i>Columba spp.</i> | Northern/ Sub-Tropical/ Wild | Relatively stout bodies with short legs & short beaks | Throughout the year | Good | moderate | | | | | Local people |

Format 31: Any other information of local importance

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

End of Part II