

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti : Rampur

Taluk: Mandli

District: Kathua

State: J&K

Geographical Area of the Panchayat Samiti: 587 Hect.

Population under the Panchayat Samiti: Total: 1603

Male 844

Female: 759

Habitat and Topography: Hilly

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records) : 58% for Agriculture Purpose

Date, Month and Year of PBR Preparation : 31/08/2020

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: Tara Chand

Age:

Gender: M

Address:

Area of specialization:

2) Name: Asha Kumari

Age:

Gender: F

Address:

Area of specialization:

3)Name: Satya Devi

Age:

Gender: F

Address:

Area of specialization:

4)Name: Nawab Din

Age:

Gender: M

Address:

Area of specialization:

5)Name: Ishpaul Singh

Age:

Gender: M

Address:

Area of specialization:

6)Name: Rajinder Singh

Age:

Gender: M

Address:

Area of specialization:

7)Name: Maan Singh

Age:

Gender: M

Address:

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 : Nil

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry

1) Name of the Chairperson: Nil

Age:

Gender:

Address:

Area of specialization:

2) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR

1) **Contact Person:** Nil

Name and Address:

2) **Contact Person:**

Name and Address:

3) **Contact Person:**

Name and Address:

4) **Contact Person:**

Name and Address:

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

Annexure 5**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**

| 1 | 2 | 3 | 4 | 5 | 6 |
|-------------|--|---|--|---|---|
| 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 | | | | | | | |
| Maize | <i>Zea mays</i> | Makk, kukri, challi, Buhtta, jobawr | Ganga Safed -2 | White grain Hyb. Suitable for Sub-tropical. Matures in 95-100 days | | Abundant | Abundant | Hight yeilding Varity | June- Oct | Food Fodder | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| | <i>Zea mays</i> | Makk, kukri, challi, Buhtta, jabawr | Vijay | Composite Maize Yellow grain variety High Yielding Vaiety suitable for Mid Hills | | Abundant | Abundant | High yeilding Varity | June- Oct | Food Fodder | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| Wheat | <i>Triticum aestivum</i> | Kanak | HD-2967 | 150-155 cm | | Abundant | Abundant | Dwarf High Yielding variety | Nov- Apr. | Food Fodder | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| | <i>Triticum aestivum</i> | Kanak | Raj -3077 | 135-140 cm | | Abundant | Abundant | Dwarf High Yielding variety | Nov- Apr. | Food Fodder | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| | <i>Triticum aestivum</i> | Kanak | Raj-3765 | 125-130 cm | | Abundant | Abundant | Dwarf High Yielding variety | Nov- Apr. | Food Fodder | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| | <i>Triticum aestivum</i> | Kanak | Sonalika | 150-155 cm | | Abundant | Rare | Dwarf High Yielding variety | Nov- Apr. | Food Fodder | | Suitable of Plain & Mid Hills | Agri. Deptt. | |

| | | | | | | | | | | | | | | |
|---------------|-----------------------------|-------------|----------------|---|--|----------|----------|--|------------------------------|-----------------------|------------------------|---|--------------|------------------|
| Rice | <i>Oryza sativa</i> | Dhan, Munji | PR-113 | Suitable for Sub Tropical areas . Matures in 135 -140 day approx. | | Abundant | Abundant | Dwarf High Yielding variety | June - Oct | Food Fodder | | Suitable for Cultivation in Low land , Mid HillsAreas, Hot & Humid Climate | Agri. Deptt. | |
| | <i>Oryza sativa</i> | Dhan, Munji | IR-8 | Plant Height 140-145 cm | | Abundant | Abundant | Dwarf High Yielding variety | June - Oct | Food Fodder | | | Agri. Deptt. | |
| | <i>Oryza sativa</i> | Dhan, Munji | Jaya | Plant Height 140-145 cm | | Abundant | Abundant | Dwarf High Yielding variety | June - Oct | Food Fodder | | | Agri. Deptt. | |
| | <i>Oryza sativa</i> | Dhan, Munji | Begumi | 160-165 cm | | Abundant | Rare | Tall in height , sweet in taste , High starch Content | June - Oct | Food Fodder | More Nutritive Value | Suitable of Plain & Mid Hills | Local | Pahari community |
| Pulses (Mash) | <i>Vigna mungo</i> | Maa/ Mash | T-9 | Matures in 85-90 days. Suitable for plain & Mid hills | | Abundant | Abundant | High yeilding Varity | June- Aug | Food | hight Protein contents | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| Til | <i>Seasamum indicum</i> | til | Punjab til -1 | White seed Variety . Matures in 80-85 days . Plant hight 1.3-1.6 mtr. | | Abundant | Abundant | High yeilding Varity | June- Oct | Oil, | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| Tomato | <i>Solanum lycopersicum</i> | Tamatar, | Kashi (DVRT-2) | Plant are Green, Fruit are red , spherical medium to large sized | | Abundant | Abundant | First harvest at 70-75 days after transplanting . Resistant to TLCV. | Transplanting Jan to Mid Feb | Food | Resistant to TLCV. | Suitable of Plain & Mid Hills | Agri. Deptt. | |
| Knol khol | <i>Brassica oleracea</i> | Kadam | Purple Vienna | Cool & moist climate | | Abundant | Abundant | Matures in 70-75 days.Knobs are purplish & fleshy greenish white. | mainly as a winter crop. | As vegetable pickles. | Rich in fibre. | For early crop sandy or sandy loam soils & for late crop clay loam & silty soils are preffered. | Agri. Deptt. | |

| | | | | | | | | | | | | | | |
|------|---|--------|----------|--|--|----------|----------|---|--|------|--|-------------------------------------|--------------|--|
| Okra | <i>Abelmoschu s esculentus Moench</i> | Bhindi | Pusa A-4 | Dark green and fruit size 12-15 cm long | | Abundant | Abundant | High yield Variety , tolerant to YVM and aphids, First picking starts in 45 days | Feb- March June- July (rainy season | Food | | Suitable of Plain & Mid Hills | Agri. Deptt. | |
|------|---|--------|----------|--|--|----------|----------|---|--|------|--|-------------------------------------|--------------|--|

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 | | | | | | |
| Ber | <i>Zizyphus mauritiana</i> | Ber | Wild(unbudded) | agri.land | abundant | available | seeds/plants | feb-april | | | own use | |
| Karonda | <i>Carissa carandas</i> | Garna | Wild(unbudded) | agri.land | rare | rare | seeds/plants | mar-august | | | own use | |
| peach | <i>Prunis Persica</i> | Aado | Selection | agri.land | rare | rare | seeds/plants | mar-june | | | own use | |
| Toot | <i>Morus Indica</i> | shatoot | Wild(unbudded) | agri.land | abundant | available | plants | july-aug | | | own use | |
| Phagwari | <i>Fragarria nubicola</i> | Phagwoora | Wild(unbudded) | agri.land | abundant | rare | seeds/plants | april-june | | | own use | |
| Imli | <i>Tamarandus indica</i> | Imli | Wild(unbudded) | agri.land | rare | rare | seeds/plants | jan-april | | | own use | |
| Wild Khajoor | <i>Phoenix sylvestris</i> | Wild Khajoor | Wild(unbudded) | agri.land | abundant | rare | seeds/plants | oct-dec | | | own use | |
| Bael | <i>Aegle marmelos</i> | Bael | Wild(unbudded) | agri.land | rare | rare | seeds/plants | mar-june | | | own use | |
| Phalsa | <i>Grewia asiatica</i> | Phalsa | n/a | agri.land | n/a | rare | plants | april-june | | | own use | |
| Jamun | <i>Syzygium cumini</i> | Jamun | Desi, unbudded | agri.land | abundant | available | seeds | mar-july | | | own use | |
| Banana | <i>Musa paradisica</i> | Kela | Desi, unbudded | agri.land | available | rare | plants | july-aug | | | own use | |
| Mango | <i>Mangifera indica</i> | Aam | Desi, unbudded | agri.land | available | abundant | seeds/plants | mar-july | | | Market | |

| | | | | | | | | | | | | |
|---------------|---------------------------------|-------------|----------------|-----------|-----------|-----------|--------------|------------|--|--|---------|--|
| Guava | <i>Psidium guajava</i> | Ambrud | Desi, unbudded | agri.land | available | available | seeds/plants | aug-dec | | | Market | |
| Lemon | <i>Citrus aurantifolia</i> | nimbu | Desi, unbudded | agri.land | available | abundant | seeds/plants | nov-dec | | | Market | |
| Mousambi | <i>Citrus sinensis</i> | Mosambi | Desi, unbudded | agri.land | available | available | seeds/plants | april-sept | | | Market | |
| Jackfruit | <i>Artocarpus heterophyllus</i> | Kathal | Desi, unbudded | agri.land | rare | rare | seeds/plants | mar-august | | | own use | |
| Sweet Lime | <i>citrus sinensis</i> | Metha | Desi, unbudded | agri.land | available | available | seeds/plants | april-may | | | own use | |
| Pomegranate | <i>Punica granatum</i> | Anaar | Desi, unbudded | agri.land | rare | rare | seeds/plants | feb-sept | | | own use | |
| Papaya | <i>Carica papaya</i> | Papita | Desi, unbudded | agri.land | available | available | seeds/plants | all season | | | own use | |
| Mandarin | <i>Citrus reticulata</i> | Sangtra | Desi, unbudded | agri.land | available | available | seeds/plants | april-sept | | | own use | |
| Grapes | <i>Vitis vinifera</i> | Angoor,dakh | Desi, unbudded | agri.land | rare | rare | plants | june-sept | | | own use | |
| Anola | <i>Phyllanthus embilica</i> | Amla | Desi, unbudded | agri.land | abundant | available | seeds/plants | oct-dec | | | Market | |
| Custard apple | <i>Annana reticulata</i> | Sita Phal | Desi, unbudded | agri.land | rare | rare | plants | aug-nov | | | own use | |

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 Plant / Seeds | Associate TK | Part Used | Other details | community / Knowledge Holder |
| | | | | Past | Present | | | | | |
| Sorghum | <i>Sorghum bicolor</i> | Jowar | Warm climate crop | Plenty | Plenty | Agri. Deptt. | It has resistance to desiccation and tolerate to water logging condition . | Part used whole plant | Soil with clay loam texture having good water retention capcity are best suitable for its cultivation | |
| Berssem | <i>Trifolium alexandrinum</i> | Beerseen | winter forage. | Plenty | Plenty | Agri. Deptt. | It is reich in Calicum and phophorus | Part used whole plant. Repeated cuts can be taken . | Improves physical condion of soil . It can be grown in all types of soil expect very light sandy soil | |

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 Option | Associate TK | Other details | community / Knowledge Holder |
| | | | | | | Past | Present | | | | | |
| Bathua | <i>Chenopodium sp</i> | Baathu | Wheat | Broad leaf and consumed the nutrients of the plants and reduces the production | Germination in the field after 20 days | Plenty | Plenty | Nil | 1.Use of weedicide | | Hady and wider adoptability, multiply very fast | |
| Sitti | <i>Phalaris minor</i> | Sitti, Gehoon ka mama, Gulli Danda | Wheat | Compete with nutritions, light and space with wheat crop and reduces the production Narrow Leav Weed | Grows with Wheat crop | Plenty | Plenty | Nil | 1. Use of Weedicides metribuzinie @200Gms/ha dissolved in 500-600 l of water | | Hady and wider adoptability, multiply very fast | |
| shol | | Shol | Paddy | Broad leaf and consumed the nutrients of the plants and reduces the production | floating on the water | Plenty | Plenty | Nil | Drying of paddy field as a result leaves dry | - | Hady and wider adoptability, multiply very fast | Pahari Community |
| Shama | | Shama | Paddy | compete with nutritions, light and space with Paddy crop and reduces the production | Tall growing just like paddy | Plenty | Plenty | Nil | Use of weedicide | - | - | - |

FORMAT: 5 Pests of Crop

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------|-----------------|---|---------------------------|--|--|---|---|---|------------------------------|
| Host | Insect / Animal | Scientific Name | Local name | Habitat | Time / Season of Attack | Management Mechanism | Associate TK | Other details | community / Knowledge Holder |
| Wheat | Field Rats | <i>Bandicota sp.</i> <i>Tatera sp.</i> | Chua, Kees, | Burrow in soil .Rats are found in nearly all areas of Earth which are inhabited by human beings. | through out the year | 1. Poison baiting 2. bund trimming to minimize harborage 3. use indigenous traps | Thjeys cause have loss to standing wheat crop and harvested crop in stores. | Domestic rats differ from wild rats in many ways. They are calmer and less likely to bite; they can tolerate greater crowding; they breed earlier and produce more offspring; and their brains, livers, kidneys, adrenal glands, and hearts are smaller | |
| | Termites | <i>Microtermes obesi</i> | seenak, seonk, white ant, | Generally appears at wet places, lives in nests made under ground | through out the year | 1. Destroy termitaria in an around field 2. Never use raw FYM 3. For termites control in standing crop, dilute 4l of chlorpyriphos 20EC in 5l of water and mix in 50 kg of sand thoroughly . Boradcast this treated soil in the infested areas. | These are Social insect that lives under gound in colonies. | The damage plant dry up completely and are easily pulled out | |
| Maize | Stem borer | <i>Chilo partellus</i> | Lurhi, kidda, | Occurs through out the country | July onward . 15-20 days after Germination | 1. apply granular insecticide carbofuran 3G @20 Kg / Ha 2. Uproot the stubbles of previous years crop and burn | It attacks immediately after germination and causes dead hearts in young plants . | The adult is medium sized straw coloured moth . The caterpillar is dirty white in color with short bristly hair on its body | |
| | Cut Worm | <i>Agrotis ipsilon</i> | Luhri | Occurs through out the country but especially Hilly areas | July onward . | 1. Install light traps @2/Ha 2. Install Pheromones traps @40/Ha to attract to kill the male moths 3. Chlorpyriphos 30EC@3ml/of water | Larva cut the seedling at the ground level . | They live in soil during the day and feed at night . The caterpillar are in grey in colour | |

| | | | | | | | | | |
|------------|----------------------|------------------------------------|----------------------------|---|---|--|---|--|--|
| Paddy | Grasshopper | <i>Hieroglyphus niogrorepletum</i> | Tidda , Raja da Gorha , | Polyphagus | June to Novemeber | 1.Destroy eggs by cleaning bunds 2. Spray the bunds with Malathion 5 % D @ 25 Kg / Ha | Both nymphs and Adults feed on the leaves , they devour the young shoots and newly farm ear heads. | Adults are like locust but smaller in size | |
| | Rice Hisppa | <i>Dicladispa armigera</i> | Neela tittu | Appeaqr in all varieties of rice | July -Sep | 1. Clip the affected tips of leaves before transplanting | Quinalphos 25EC 1 litre per ha in 750 ltr of water | The grubs this pest mine into the leaves and adults are external fedders. | |
| cole crops | Cabbage butterfly | <i>Pieris brassicae</i> | Titali | The large white butterfly's habitat consists of large, open spaces, as well as farms and vegetable gardens, because of the availability of its food source. | Oct onwards | 1. Release of Trichogramma chilonis @50000 adults/ha per release (6 times)at weekly interval in Mid January 2. Donot spray the crop near harvesting | | | |
| Vegetable | Fruit fly | <i>Bactrocera cucurbitae</i> | Titali | Fruit flies are of concern both as nuisance pests and as serious contaminators of food. | After Summer Rains when Humidity is high. | 1. Install methyl eugenol traps @ 5-100/Ha 2. Spray Malathion @ 1ml +10 Grms gur/ ltr of water at evening hours when fruits flies are congregated on the leave surface. | Female fruit flies lay their eggs on the surface of rotting fruits and vegetables. Each female may lay as many as 500 eggs. These eggs hatch into larvae which molt twice before becoming fully grown. | Adults may be dull yellowish, brownish yellow, or brownish black in color and range from 1/10 to 1/5 inch long. Most species have red eyes. Larvae are very small (ranging from 1/10 to 1/5 inch long), dirty white, and maggot-shaped. They can be recognized by the stalked posterior spiracles on the last abdominal segment. | |

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 |
| --- | Agri. | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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 | | | | | | | | | | | |
| Cultivated Land | Not Applicable | Not Applicable | Cultivated Land | 423 Ha | Agricultural Lands are Privately Owned | Crop Plants | Snakes,Jackel,Fox , Dogs Etc | Nil | Nil | Used for raising crops and Fodder for animals | N/A | Nil | Low-Income Community |
| Non-Cultivated | Not Applicable | Not Applicable | Non-Cultivated | 445 Ha | Govt./Private | Plants,Some wild Plants | Insects,Cows,Fox, Dogs etc | Nil | Nil | Used for rearing Cattles | N/A | Nil | Low-Income Community |
| Non-Irrigated Land | Not Applicable | Not Applicable | Non-Irrigated Land | 172 Ha | Govt./Private | Local Plants | Insects,Cows,Fox, Dogs etc | Nil | Nil | Used for Grazing Purposes | N/A | Nil | Low-Income Community |

Note: The information Filled in by the Forest Deptt. is not exhaustive and the inputs from other concerned department may be incorporated for the detailed filled up of the PBR Formats.

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 |
| Nallas | Nil | Tributary of Khaad's | Panchayat and Govt.Deptt. | Wild and Aquatic Plants | Frog,Tadpoles,Toad,Crab,Fishes , Water Snake etc | Irrigation | Farmers | Small Check Dams | For Irrigation, Sand and Gravel are used for Construction of Buildings etc | Nil | Nil | Local Villagers |
| Khaads | Nil | Originates from the foothills of Mountains | Govt. and Panchayat | Wild and Aquatic Plants | Frog,Tadpoles,Fishes,Water,Water Snakes,Crabs etc | Irrigation | Farmers | Check Dams | For Irrigation and Drinking of Domesticated animals and Wild Animals | Nil | Nil | Local Villagers |

Note: The information Filled in by the Forest Deptt. is not exhaustive and the inputs from other concerned department may be incorporated for the detailed filled up of the PBR Formats.

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 |
| Clay | Reddish,Brown,Fine Grained | Retain water | Recharges with canal bed silt,Leafy Manure ,animal waste,Compost | Paddy,Maize,Wheat,Mustard,Pulses,Fruit crop,Vegetables | Wheat,Maize,Tuni,Draink,etc. Snakes,Cows,Jacket,Fox etc | Nil | Nil |
| Sandy Clay | Brown & Gritty | Retains water | Recharged with tank bed silt,leafy manure,animal waste,composite | wheat,Barley,Lentil,Mustard,Maize, Beans and some Off-season vegetables | Fodder and Crop plants,Frog ,snakes,Jackel,Fox etc | Nil | Nil |

DOMESTICATED BIODIVERSITY

Format 11: FRUIT TREES

| 1 | 2 | 3 | 4 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------|---------------------------------|-------------|----------------|-----------------------|--------------|-----------|--------------------------|-----------------------|--------------|---------------|---------------------------------|----------------------------|
| Plant Type | Scientific Name | Local 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 | <i>Mangifera indica</i> | Aam | Desi, unbudded | agri.land | available | abundant | seeds/plants | mar-july | | | Market | |
| Lychee | <i>Litchi chinesis</i> | Litchi | Desi, unbudded | agri.land | rare | available | seeds/plants | mar-june | | | Market | |
| Guava | <i>Psidium guajava</i> | Ambrud | Desi, unbudded | agri.land | available | available | seeds/plants | aug-dec | | | Market | |
| Lemon | <i>Citrus aurantifolia</i> | nimbu | Desi, unbudded | agri.land | available | abundant | seeds/plants | nov-dec | | | Market | |
| Mousambi | <i>Citrus sinensis</i> | Mosambi | Desi, unbudded | agri.land | available | available | seeds/plants | april-sept | | | Market | |
| Jackfruit | <i>Artocarpus heterophyllus</i> | Kathal | Desi, unbudded | agri.land | rare | rare | seeds/plants | mar-august | | | own use | |
| Sweet Lime | <i>citrus sinensis</i> | Metha | Desi, unbudded | agri.land | available | available | seeds/plants | april-may | | | own use | |
| Pomegranate | <i>Punica granatum</i> | Anaar | Desi, unbudded | agri.land | rare | rare | seeds/plants | feb-sept | | | own use | |
| Papaya | <i>Carica papaya</i> | Papita | Desi, unbudded | agri.land | available | available | seeds/plants | all season | | | own use | |
| Mandarin | <i>Citrus reticulata</i> | Sangtra | Desi, unbudded | agri.land | available | available | seeds/plants | april-sept | | | own use | |
| Grapes | <i>Vitis vinifera</i> | Angoor,dakh | Desi, unbudded | agri.land | rare | rare | plants | june-sept | | | own use | |

| | | | | | | | | | | | | |
|-------|-----------------------------|------|----------------|-----------|----------|-----------|--------------|---------|--|--|--------|--|
| Anola | <i>Phyllanthus embilica</i> | Amla | Desi, unbudded | agri.land | abundant | available | seeds/plants | oct-dec | | | Market | |
|-------|-----------------------------|------|----------------|-----------|----------|-----------|--------------|---------|--|--|--------|--|

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 | Community/ Know. |
| | | | | | | Past | Present | | | | | |
| Herb | Brahmi Bhutti | <i>Centella asiatica</i> | | Lower shiwalik | Root | Abundant | Abundant | nil | Leaves | N.A | N.A | Generally, held by community |
| Shrubs | Trimuru | <i>Zanthoxylum aurmatum</i> | | Lower shiwalik | Seed | Abundant | Abundant | Good for Cleaning Teeths. | Stem / Seed | N.A | N.A | Generally, held by community |
| Shrubs | Anardana | <i>Punica granatum</i> | | Sub-Tropical area | Seed | Rare | Rare | Edible | Fruit | N.A | N.A | Generally, held by community |
| Shrubs | Drainkdu | <i>Murraya koenigii</i> | | Lower shiwalik | Seed | Abundant | Abundant | Edible and Good for cleaning teeth | Leaves / Branches | N.A | N.A | Generally, held by community |
| Shrubs | Bana | <i>Vitex negundo</i> | | Upper Shiwalik | Seed | Abundant | Abundant | Good for cleaning teeth | Branches | N.A | N.A | Generally, held by community |
| Shrubs | Bareyan | <i>Acorus calamus</i> | | Sub-Tropical area | Root | Abundant | Abundant | Medicinal use | Root | N.A | N.A | Generally, held by community |
| Shrubs | Bhang | <i>Canabis sativia</i> | | Lower shiwalik | Seed | Abundant | Abundant | Medicinal use | Leaves | N.A | N.A | Generally, held by community |
| Trees | Amla | <i>Phyllanthus emblica</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal use | Fruit | N.A | N.A | Generally, held by community |
| Trees | Bair | <i>Ziziphus xylocarpa</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal use | Fruit,Leaves | N.A | N.A | Generally, held by community |

| | | | | | | | | | | | | |
|----------|--------------|-----------------------------|--|----------------|------|----------|----------|--|----------------|---------------------------|-----|------------------------------|
| Trees | Bheda | <i>Terminalia bellerica</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal use | fruit | N.A | N.A | Generally, held by community |
| Trees | Bill-Patre | <i>Angle mermelos</i> | | Lower shiwalik | Seed | Rare | Rare | Used in Poojas and posses medicinal properties | Leaves, Fruits | N.A | N.A | Generally, held by community |
| Trees | Harad | <i>Terminalia chebula</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal use and Edible | Fruit | N.A | N.A | Generally, held by community |
| Trees | Jaman | <i>Syzygium cumini</i> | | Lower shiwalik | Seed | Abundant | Abundant | Medicinal use and Edible | Fruit | Useful for Sugar Patients | N.A | Generally, held by community |
| Trees | Kakad-Singhi | <i>Pistacia khinjuk</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal Use | Fruit | N.A | N.A | Generally, held by community |
| Trees | Khair | <i>Acacia catechu</i> | | Lower shiwalik | Seed | Abundant | Abundant | Medicinal Use | Stem | N.A | N.A | Generally, held by community |
| Trees | Kringal | <i>Casia fistula</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal use | Fruit | N.A | N.A | Generally, held by community |
| Trees | Lusada | <i>Cordia dichotoma</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal use and Edible | Fruit | N.A | N.A | Generally, held by community |
| Trees | Arjun | <i>Terminalia arjuna</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal Use | Bark | Useful for Heart Pateints | N.A | Generally, held by community |
| Climbers | Galoi | <i>Tinospora cordifolia</i> | | Lower shiwalik | Seed | Abundant | Abundant | Medicinal Use | Whole Plant | N.A | N.A | Generally, held by community |

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

Format 13: Ornamental Plants/ Trees/Climbers etc.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----------------|----------------|------------------------------|---------|-----------------------|----------------------------|-------------------------|---|----------------------------|---------------------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Source of plant/seeds | Commercial/ non-commercial | Uses | Associated TK | Other details | Community/ Know. holder |
| Ornamental Tree | Kachnar | <i>Bauhinia Variegata</i> | | Nurseries/Forest | Non commercial | Ornamental/ Landscaping | Used for Dysentry, Diarrhoea | Pink flowers in Summer | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Nerium | <i>Nerium Oleander</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Epilepsy, cancer | Avenue plantation | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Kaner | <i>Thevetia Peruviana</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Fevers | Flower most of the year | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Bottle Brush | <i>Callistemmon spp.</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Theraputic uses | Foilage and flowers | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Bogan Bael | <i>B.Sp & hybrids</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Antidiabetic, antiinflammatory | Multicoloured flowers | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Golden Duranta | <i>Duranta repens</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Beneficial in itching, malaria, asthma etc. | Foliage, Edging | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Hibiscus | <i>Hibiscus Rosasinensis</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Used in fever, constipation | Flower throughout the year | Floriculturists/ Nurserymen/Gardeners |
| Bushes/Shrubs | Motia | <i>Jasminum sambac</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Used in Hepatitis, dysentry | Flower throughout the year | Floriculturists/ Nurserymen/Gardeners |
| Herbs Seasonals | Guldopahar | <i>Portulaca Grandiflora</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Antioxidant, antibacterial | Summer annual flower | Floriculturists/ Nurserymen/Gardeners |

| | | | | | | | | | |
|------------|-------|---------------------------|--|-----------|----------------|----------------------------|-----------------------|-----------|--|
| Pot Plants | Agave | <i>Agave angustifolia</i> | | Nurseries | Non commercial | Ornamental/ Landscaping | Traditional medicines | Succulent | Floriculturists/ Nurserymen/Gardeners |
|------------|-------|---------------------------|--|-----------|----------------|----------------------------|-----------------------|-----------|--|

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 | Ber | <i>Ziziphus xylocarpa</i> | Lower shiwalik | Rare | Rare | Wild | own | nil | nil | Generally, held by community |
| Tree | Cambel | <i>Lannea coromandelica</i> | Lower shiwalik | Abundance | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Drankh | <i>Melia azedarach</i> | Lower shiwalik | Abundance | Rare | Wild | own | nil | nil | Generally, held by community |
| Tree | Guvava | <i>Psidium Guajava</i> | Lower shiwalik | Abundance | Abundance | Wild/ home-garden | own | posses medicinal properties | nil | Generally, held by community |
| Tree | Jaman | <i>Syzygium cumini</i> | Lower shiwalik | Abundance | Abundance | Wild | own | maintains sugar level in human body | nil | Generally, held by community |
| Tree | Khadak | <i>Celtis Tetrandra</i> | Lower shiwalik | Abundance | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Mangoo | <i>Mangifera Indica</i> | Lower shiwalik | Abundance | Abundance | Wild/ home-garden | own | nil | nil | Generally, held by community |
| Tree | Pansra | <i>Wendlandia heynei</i> | Lower shiwalik | Rare | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Retha | <i>Sapindus Mukorossii</i> | Lower shiwalik | Rare | Rare | Wild | own | nil | nil | Generally, held by community |
| Tree | Safeda | <i>Eucalyptus spp.</i> | Lower shiwalik | Rare | Abundance | Wild | commercial | nil | nil | Generally, held by community |

| | | | | | | | | | | |
|------|---------|--------------------------|----------------|-----------|-----------|------|------------|-----|-----|------------------------------|
| Tree | Sree | <i>Albizzia lebbeck</i> | Lower shivalik | Abundance | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Simbal | <i>Bombax ceiba</i> | Lower shivalik | Abundance | Abundance | Wild | commercial | nil | nil | Generally, held by community |
| Tree | Talli | <i>Dalbergia sissoo</i> | Lower shivalik | Abundance | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Tuni | <i>Toona ciliata</i> | Lower shivalik | Abundance | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Popular | <i>Populus ciliata</i> | Lower shivalik | Rare | Abundance | Wild | own | nil | nil | Generally, held by community |
| Tree | Arjun | <i>Terminalia arjuna</i> | Lower shivalik | Rare | Abundance | Wild | own | nil | nil | Generally, held by community |

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 | | | | | |
| Small Ruminants | Sheep | <i>Ovis- aries</i> | Local | Small size, rough coat | Conventional & Traditional | | | | | Yes | Mutton, Wool, milk and skin. The department provides all the necessary medical facilities and scientific system of rearing | Yes |
| | | | Cross breed | Large size, fine wool, white face and white legs | | | | | | | | |
| | Goat | <i>Capra- hircus</i> | Bakarwali/ Kaghani | Large size, white/Grey/brown/black Body, coat long hair | | | | | | | | |
| | | | Beetal | Usually red or black pendulous ears | | | | | | | | |
| | | | Beetal cross | Smaller size, shorter Ears | | | | | | | | |
| Cow | Gaay | <i>Bos sps.</i> | Hybrid | High Fertility, High Milk yield | Domesticated | Available | Available | Milk+ Cow Dung | Highly Nutritious & complete diet | Yes | Nil | Self observed |
| | | | Local | Low milk yield adoptable to local climate condition | | Available in Hilly Belt | Available in Hilly Belt | | Highly Nutritious | No | Nil | Self observed |
| Buffalo | Bhains | <i>Bubalus sps.</i> | Local/upgraded | Black in colour/ moderate to high milk yield with high Fat %age | Domesticated | Available | Available | Milk+ Cow Dung | Considered more energetic due to High fat %age | Commercial in upgraded, Non commercial in local | Nil | Self observed |
| Ox | Bael | <i>Bos sps.</i> | Local/Hybrid | Ploughing & carriage | Domesticated | Available | Available | Ploughing & Carriage | | No | Nil | Self observed |
| dog | Kutta | <i>Canine sps.</i> | Local/Hybrid | Pet & stray | Domesticated & Stray | Available | Available | Guarding & watching | | No | Nil | Self observed |

| | | | | | | | | | | | | |
|------------------------|-----------------------------|--------------------|--------------|--------------------------------|-----------------------------------|-----------|-----------|----------------------------|--|----|-----|---------------|
| horse/ Mules/Donkey | Ghoda/ Khachar/ Gadha | <i>Equine Sps.</i> | Local/Hybrid | Pack animals, muscular body | Domesticated | Available | Available | Carriage & Cart Pulling | | No | Nil | Self observed |
| Cat | Billi | <i>Felis sps.</i> | Local | Pet & stray | Domesticated & Free Roaming | less | less | No | | No | Nil | Self observed |
| Poultry | Kukad/ Kukdi | <i>Gallus sps.</i> | Local/Hybrid | Dual purpose | Domesticated | Available | Available | Meat & egg Production | | No | Nil | Self observed |

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/talao) | Local status | | Uses | Associated TK | Commercial rearing | Other details | Community Know. Holders |
| | | | | | | Past | Present | | | | | |
| Warm water | Rohu | <i>Labeo</i> | IMC | Ellongated torpedo shaped body | Pond | Abundant | Govt./Private farms | Commercially important food fish | - | Reared in Private/Govt. Farms | Highly nutritious fish | Commercial Knowledge Holders/Sh Farmers/Maha geers |
| Warm water | Catla | <i>Catla-Catla</i> | IMC | Ellongated torpedo shaped body with big head | Pond | Abundant | Govt./Private farms | Commercially important food fish | - | Reared in Private/Govt. Farms | Highly nutritious fish | Commercial Knowledge Holders/Sh Farmers/Maha geers |
| Warm water | Mragg | <i>Cirrhinus mrigala</i> | IMC | Ellongated torpedo shaped body | Pond | Abundant | Govt./Private farms | Commercially important food fish | - | Reared in Private/Govt. Farms | Highly nutritious fish | Commercial Knowledge Holders/Sh Farmers/Maha geers |
| warm water& cold water | Grass carp | <i>Ctenopharyngon idella</i> | Exotic | Ellongated torpedo shaped body | Pond | Abundant | Govt./Private farms | Commercially important food fish used for weed control in ponds | - | Reared in Private/Govt. Farms | Highly nutritious fish | Commercial Knowledge Holders/Sh Farmers/Maha geers |
| warm water& cold water | Silver Carp | <i>Hypopthal michthys molitrix</i> | Exotic | Deep body littely compressed,silvery in colour | Pond | Abundant | Govt./Private farms | Commercially important food fish | - | Reared in Private/Govt. Farms | Highly nutritious fish | Commercial Knowledge Holders/Sh Farmers/Maha geers |
| warm water& cold water | Common Carp | <i>Cyprinus carpio</i> | Exotic | Deep body littely compressed with black lips barbels present | Pond | Abundant | Govt./Private farms | Commercially important food fish | - | Reared in Private/Govt. Farms | Highly nutritious fish | Commercial Knowledge Holders/Sh Farmers/Maha geers |

Note: Other details include mode of catching fish, time of availability, breeding time, feeds 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 Traditional Knowledge | Other details | Community Knowledge Holder |
| | | | | | Past | Present | | | | | |
| Trees | Aaran | <i>Prunus Persica</i> | Trees | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Trees | Amla | <i>Phyllanthus emblica</i> | Trees | Lower shiwalik | Rare | Rare | own | Fruit | posses medicinal properties | nil | Generally, held by community |
| Trees | Baadh | <i>Ficus religiosa</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Bair | <i>Ziziphus xylocarpa</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Bheda | <i>Terminalia bellerica</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Bill-Patre | <i>Aegle marmelos</i> | Trees | Lower shiwalik | Rare | Rare | own | Fruit | posses medicinal properties | nil | Generally, held by community |
| Trees | Cambel | <i>Lannea coromandelica</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Trees | Charmood | <i>Ehretia laevis</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Dhaman | <i>Grewia optiva</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem/Bark | nil | nil | Generally, held by community |
| Trees | Drankh | <i>Melia azedarach</i> | Trees | Lower shiwalik | Abundance | Rare | own | Leaves/Stem | nil | nil | Generally, held by community |
| Trees | Fakwara | <i>Ficus palmata</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Guvava | <i>Psidium Guajava</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | posses medicinal properties | nil | Generally, held by community |
| Trees | Harad | <i>Terminalia chebula</i> | Trees | Lower shiwalik | Rare | Rare | own | Stem/Fruit | Good for digestion | nil | Generally, held by community |

| | | | | | | | | | | | |
|-------|--------------|-----------------------------|-------|----------------|-----------|-----------|-----|--------------|-------------------------------------|-----|------------------------------|
| Trees | Jaman | <i>Syzygium cumini</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | maintains sugar level in human body | nil | Generally, held by community |
| Trees | Kainth | <i>Pyrus paschia</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Trees | Kakad-Singhi | <i>Pistacia khinjuk</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Kakuya | <i>Flacourtia indica</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Kamla | <i>Malotus philippensis</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Trees | Kandla | <i>Premna Serratifolia</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Khadak | <i>Celtis Tetrandra</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Trees | Khad-Manju | <i>Neolitsea Pallens</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Khair | <i>Acacia catechu</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Trees | Khroo | <i>Trema Palitoria</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Kiker | <i>Acacia Nilotica</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Kringal | <i>Casia fistula</i> | Trees | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Trees | Laana | <i>Ficus hispida</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Trees | Lusada | <i>Cordia dichotoma</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Mangoo | <i>Mangifera Indica</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Stem/Fruit | nil | nil | Generally, held by community |
| Trees | Ola | <i>Albizia chinensis</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Pansra | <i>Wendlandia heynei</i> | Trees | Lower shiwalik | Rare | Abundance | own | Stem | nil | nil | Generally, held by community |
| Trees | Retha | <i>Sapindus Mukorossii</i> | Trees | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Trees | Rumbal | <i>Ficus racemosa</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |

| | | | | | | | | | | | |
|--------|---------|------------------------------|--------|----------------|-----------|-----------|------------|--------------|-----|-----|------------------------------|
| Trees | Safeda | <i>Eucalyptus spp.</i> | Trees | Lower shiwalik | Rare | Abundance | commercial | Stem | nil | nil | Generally, held by community |
| Trees | Sree | <i>Albizzia lebbeck</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Trees | Simbal | <i>Bombax ceiba</i> | Trees | Lower shiwalik | Abundance | Abundance | commercial | Leaves/Stem | nil | nil | Generally, held by community |
| Trees | Talli | <i>Dalbergia sissoo</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Stem | nil | nil | Generally, held by community |
| Trees | Tantra | <i>Oroxylum indicum</i> | Trees | Lower shiwalik | Rare | Rare | own | | nil | nil | Generally, held by community |
| Trees | Tooth | <i>Morus alba</i> | Trees | Lower shiwalik | Rare | Abundance | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Trimbal | <i>Ficus auriculata</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Trees | Tuni | <i>Toona ciliata</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Stem | nil | nil | Generally, held by community |
| Trees | Rean | <i>Litsea chinensis</i> | Trees | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Trees | Popular | <i>Populus ciliata</i> | Trees | Lower shiwalik | Rare | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Trees | Sanan | <i>Desmodium oegensis</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Trees | Arjun | <i>Terminalia arjuna</i> | Trees | Lower shiwalik | Rare | Abundance | own | Leaves/Bark | nil | nil | Generally, held by community |
| Trees | Chuntar | <i>Bischofia javanica</i> | Trees | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Shrubs | Sentha | <i>Dodonea Viscosa</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Shrubs | Trimuru | <i>Zantho Xylum Aurmatum</i> | Shrubs | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Shrubs | Jatrofa | <i>Jatropha Curcas</i> | Shrubs | Lower shiwalik | Rare | Abundance | own | | nil | nil | Generally, held by community |
| Shrubs | Kimb | <i>Citrus Karna</i> | Shrubs | Lower shiwalik | Rare | Abundance | own | Fruit | nil | nil | Generally, held by community |
| Shrubs | Gandera | <i>Thevetia peruviana</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | | nil | nil | Generally, held by community |
| Shrubs | Thub | <i>Erythrina indica</i> | Shrubs | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |

| | | | | | | | | | | | |
|---------|--------------|-------------------------------|---------|-------------------------------|-----------|-----------|------------|--------------|-----------------------------|-----|------------------------------|
| Shrubs | Anardana | <i>Punica granatum</i> | Shrubs | Sub-Tropical area | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Shrubs | brankad | <i>Adha toda vesica</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | Flower | nil | nil | Generally, held by community |
| Shrubs | Drinkdu | <i>Murraya koenigii</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Shrubs | Bana | <i>Vitex negundo</i> | Shrubs | Upper Shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Shrubs | Akk | <i>Ipomea fistulosa</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | | nil | nil | Generally, held by community |
| Shrubs | Garna | <i>Carissa opaca</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Shrubs | Thor/Shuu | <i>Euphorbia royleana</i> | Shrubs | Lower shiwalik | Rare | Rare | own | Stem | nil | nil | Generally, held by community |
| Shrubs | Aakhe | <i>Rubus ellipticus</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | Fruit | nil | nil | Generally, held by community |
| Shrubs | Bareyan | <i>Acorus calamus</i> | Shrubs | Sub-Tropical area | Abundance | Abundance | own | Root | posses medicinal properties | nil | Generally, held by community |
| Shrubs | Bhang | <i>Canabis sativia</i> | Shrubs | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Herbs | Dudlu | <i>Taraxacum officinale</i> | Herbs | Temperate area | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Herbs | Tarad | <i>Dioscorea belophylla</i> | Herbs | Lower shiwalik | Abundance | Abundance | own | Root | nil | nil | Generally, held by community |
| Herbs | Jungli putna | <i>Mentha arvensis</i> | Herbs | Lower shiwalik/Temperate area | Abundance | Abundance | own | Leaves | posses medicinal properties | nil | Generally, held by community |
| Herbs | Banfsha | <i>Viola odorata</i> | Herbs | Lower shiwalik/Temperate area | Abundance | Abundance | Commercial | Flower | posses medicinal properties | nil | Generally, held by community |
| Grasses | Bamboo | <i>Dendrocalamus Strictus</i> | Grasses | Lower shiwalik | Abundance | Abundance | commercial | Leaves | nil | nil | Generally, held by community |
| Grasses | Drub/Khabbal | <i>Cyanodon dactylon</i> | Grasses | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |

| | | | | | | | | | | | |
|----------|-----------|------------------------------|----------|----------------|-----------|-----------|-----|-------------|-----|-----|------------------------------|
| Grasses | Monja | <i>Saccharum benghalense</i> | Grasses | Temperate area | Rare | Rare | own | Stem | nil | nil | Generally, held by community |
| Grasses | Kai/Kaana | <i>Saccharum spontaneum</i> | Grasses | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Climbers | Galoj | <i>Tinospora cordifolia</i> | Climbers | Lower shiwalik | Abundance | Abundance | own | Stem | nil | nil | Generally, held by community |

Format 19: Wild Plant Species of Importance

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|--------------|-----------------------------|---------|---|-----------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance (as economic, social, cultural etc.) | Status |
| 1 | Amla | <i>Phyllanthus emblica</i> | | economic/cultural | Abundance |
| 2 | Bair | <i>Ziziphus xylocarpa</i> | | economic/cultural | Rare |
| 3 | Bheda | <i>Terminalia bellerica</i> | | economic | Rare |
| 4 | Bill-Patre | <i>Aegle marmelos</i> | | Social/Culture | Rare |
| 5 | Drankh | <i>Melia azedarach</i> | | economic | Abundance |
| 6 | Harad | <i>Terminalia chebula</i> | | economic/cultural | Abundance |
| 7 | Jaman | <i>Syzygium cumini</i> | | economic/cultural | Abundance |
| 8 | Kakad-Singhi | <i>Pistacia khinjuk</i> | | economic | Abundance |
| 9 | Karal | <i>Bauhinia variegata</i> | | economic | Abundance |
| 10 | Khair | <i>Acacia catechu</i> | | economic | Abundance |
| 11 | Kringal | <i>Casia fistula</i> | | social | Abundance |
| 12 | Lusada | <i>Cordia dichotoma</i> | | economic | Rare |
| 13 | Mango | <i>Mangifera Indica</i> | | economic/cultural | Abundance |
| 14 | Retha | <i>Sapindus Mukorossii</i> | | economic | Rare |
| 15 | Rumbal | <i>Ficus racemosa</i> | | economic | Rare |
| 16 | Sree | <i>Albizzia lebbeck</i> | | economic | Abundance |
| 17 | Talli | <i>Dalbergia sissoo</i> | | economic | Abundance |

| | | | | | |
|----|---------------|------------------------------|--|-----------|-----------|
| 18 | Trimbal | <i>Ficus auriculata</i> | | economic | Abundance |
| 19 | Trimuru | <i>Zantho Xylum Aурmatum</i> | | economic | Rare |
| 20 | Tuni | <i>Toona ciliata</i> | | economic | Rare |
| 21 | Jatrofa | <i>Jatropha Curcas</i> | | economic | Abundance |
| 22 | Arjun | <i>Terminalia arjuna</i> | | economic | Abundance |
| 23 | Drainkdu | <i>Murraya koenigii</i> | | economic | Abundance |
| 24 | Bana | <i>Vitex negundo</i> | | cultural | Abundance |
| 25 | Kau | <i>Olea cuspidata</i> | | economic | Rare |
| 26 | Akk Datura | <i>Calotropis procera</i> | | Cultural | Abundance |
| 27 | Dudlu | <i>Taraxacum officinale</i> | | cultural | Rare |
| 28 | Thor/Shuu | <i>Euphorbia royleana</i> | | economic | Rare |
| 29 | Bareyan | <i>Acorus calamus</i> | | economic | Rare |
| 30 | Bhang | <i>Canabis sativia</i> | | economic | Abundance |
| 31 | Brahmi Bhutti | <i>Centella asiatica</i> | | Medicinal | Abundance |
| 32 | Tarad | <i>Dioscorea belophylla</i> | | economic | Abundance |
| 33 | Jungli putna | <i>Mentha arvensis</i> | | Medicinal | Abundance |
| 34 | Galoι | <i>Tinospora cordifolia</i> | | Medicinal | Abundance |
| 35 | Banfsha | <i>Viola odorata</i> | | Medicinal | Abundance |

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 | | | | |
| Daryayi Chaahl | <i>Oxygaster bacaila</i> | Fish | cutting abdomen | slow moving nullas | Abundant | Abundant | Edible | fishermen use them as bait for other big fishes | N.A. | Generally, held by Local Fisherman |
| Pathrili Chaahl | <i>Barilius spp.</i> | Fish | cutting abdomen | slow moving nullas | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |
| Bootal | <i>Crossocheilus diplochilus</i> | Fish | Large snout | Rivers | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |
| Sol | <i>Channa marulius</i> | Fish | Black ocellus on the caudal fin | muddy and slow moving nulla | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |
| Garoj | <i>Mastacembelus armatus</i> | Fish | Shy in nature, generally hidden under stones | Rivers | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |
| Tarakla | <i>Xenentodon cancila</i> | Fish | swims like an arrow on the surface of water | slow moving nullas | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |

Other details may include mode of catching fish, time of availability, breeding time, etc

Format 21: Wild Aquatic Plant Species of Importance

| 1 | 2 | 3 | 4 | 5 | 6 |
|----------------|-------------------|-------------------------|----------------|--------------------------------------|---------------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance | Trends |
| 1 | Nadru | <i>Nelumbo nucifera</i> | | Edible Vegetable | |
| 2 | | <i>Hydrilla</i> | | Resistance to high salinity in water | |
| 3 | Nappa | <i>Nymphaea</i> | | | |

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 | Dudlu | <i>Taraxacum officinale</i> | | Temperate area | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Herb | Tarad | <i>Dioscorea belophylla</i> | | Lower shiwalik | Abundance | Abundance | own | Root | nil | nil | Generally, held by community |
| Herb | Jungli putna | <i>Mentha arvensis</i> | | Lowershiwalik/ Temperate area | Abundance | Abundance | own | Leaves | posses medicinal properties | nil | Generally, held by community |
| Herb | Banfsha | <i>Viola odorata</i> | | Lowershiwalik/ Temperate area | Abundance | Abundance | Commercial | Flower | posses medicinal properties | nil | Generally, held by community |
| Shrub | Sentha | <i>Dodonea Viscosa</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Shrub | Trimuru | <i>Zantho Xylum Aurmatum</i> | | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Shrub | Kimb | <i>Citrus Karna</i> | | Lower shiwalik | Rare | Abundance | own | Fruit | nil | nil | Generally, held by community |
| Shrub | Gandera | <i>Thevetia peruviana</i> | | Lower shiwalik | Abundance | Abundance | own | | nil | nil | Generally, held by community |
| Shrub | Anardana | <i>Punica granatum</i> | | Sub-Tropical area | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Shrub | brankad | <i>Adha toda vesica</i> | | Lower shiwalik | Abundance | Abundance | own | Flower | nil | nil | Generally, held by community |
| Shrub | Bana | <i>Vitex negundo</i> | | Upper Shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Shrub | Akk | <i>Ipomea fistulosa</i> | | Lower shiwalik | Abundance | Abundance | own | | nil | nil | Generally, held by community |
| Shrub | Akk Datura | <i>Calotropis procera</i> | | Lower shiwalik | Abundance | Abundance | own | Fruit | nil | nil | Generally, held by community |

| | | | | | | | | | | | |
|-------|--------------|---------------------------------|--|-------------------|-----------|-----------|-----|---------------|-------------------------------------|-----|------------------------------|
| Shrub | Garna | <i>Carissa opaca</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Shrub | Thor/Shuu | <i>Euphorbia royleana</i> | | Lower shiwalik | Rare | Rare | own | Stem | nil | nil | Generally, held by community |
| Shrub | Bareyan | <i>Acorus calamus</i> | | Sub-Tropical area | Abundance | Abundance | own | Root | posses medicinal properties | nil | Generally, held by community |
| Shrub | Bhang | <i>Canabis sativia</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Tree | Aaran | <i>Prunus Persica</i> | | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Tree | Amla | <i>Phyllanthus emblica</i> | | Lower shiwalik | Rare | Rare | own | Fruit | posses medicinal properties | nil | Generally, held by community |
| Tree | Baadh | <i>Ficus religiosa</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Bair | <i>Ziziphus xylocarpa</i> | | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Tree | Bheda | <i>Terminalia bellerica</i> | | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Tree | Bill-Patre | <i>Angle mermelos</i> | | Lower shiwalik | Rare | Rare | own | Fruit | posses medicinal properties | nil | Generally, held by community |
| Tree | Guaid | <i>Spermadictyon suaveolens</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Tree | Guvava | <i>Psidium Guajava</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | posses medicinal properties | nil | Generally, held by community |
| Tree | Harad | <i>Terminalia chebula</i> | | Lower shiwalik | Rare | Rare | own | Stem/Fruit | Good for digestion | nil | Generally, held by community |
| Tree | Jaman | <i>Syzygium cumini</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves/Fruit | maintains sugar level in human body | nil | Generally, held by community |
| Tree | Kakad-Singhi | <i>Pistacia khinjuk</i> | | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Tree | Kakuya | <i>Flacourtia indica</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Kamla | <i>Malotus philippensis</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Tree | Kandla | <i>Premna Serratifolia</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Karal | <i>Bauhinia variegata</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves/Flower | nil | nil | Generally, held by community |

| | | | | | | | | | | | |
|------|------------|-------------------------------|--|----------------|-----------|-----------|------------|--------------|-----|-----|------------------------------|
| Tree | Khadak | <i>Celtis Tetrandra</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Tree | Khad-Manju | <i>Neolitsea Pallens</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Khair | <i>Acacia catechu</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Tree | Kiker | <i>Acacia Nilotica</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Kringal | <i>Casia fistula</i> | | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Tree | Laana | <i>Ficus hispida</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Tree | Laseni | <i>Leucaena leucocephala</i> | | Lower shiwalik | Rare | Abundance | own | Leaves | nil | nil | Generally, held by community |
| Tree | Lusada | <i>Cordia dichotoma</i> | | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Tree | Mango | <i>Mangifera Indica</i> | | Lower shiwalik | Abundance | Abundance | own | Stem/Fruit | nil | nil | Generally, held by community |
| Tree | Ola | <i>Albizzia chinensis</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Pansra | <i>Wendlandia heynei</i> | | Lower shiwalik | Rare | Abundance | own | Stem | nil | nil | Generally, held by community |
| Tree | Punna | <i>Ehretia acuminata</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Rada | <i>Catunaregum spinosa</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Retha | <i>Sapindus Mukorossii</i> | | Lower shiwalik | Rare | Rare | own | Fruit | nil | nil | Generally, held by community |
| Tree | Reu | <i>Cotoneaster Bacillaris</i> | | Lower shiwalik | Rare | Rare | own | | nil | nil | Generally, held by community |
| Tree | Rumbal | <i>Ficus racemosa</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Safeda | <i>Eucalyptus spp.</i> | | Lower shiwalik | Rare | Abundance | commercial | Stem | nil | nil | Generally, held by community |

| | | | | | | | | | | | |
|---|---------|--------------------------|--|----------------|-----------|-----------|------------|--------------|-----|-----|------------------------------|
| Tree | Sree | <i>Albizia lebeck</i> | | Lower shiwalik | Abundance | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Tree | Simbal | <i>Bombax ceiba</i> | | Lower shiwalik | Abundance | Abundance | commercial | Leaves/Stem | nil | nil | Generally, held by community |
| Tree | Talli | <i>Dalbergia sissoo</i> | | Lower shiwalik | Abundance | Abundance | own | Stem | nil | nil | Generally, held by community |
| Tree | Tantra | <i>Oroxylum indicum</i> | | Lower shiwalik | Rare | Rare | own | | nil | nil | Generally, held by community |
| Tree | Tooth | <i>Morus alba</i> | | Lower shiwalik | Rare | Abundance | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Tree | Trimbal | <i>Ficus auriculata</i> | | Lower shiwalik | Rare | Rare | own | Leaves/Fruit | nil | nil | Generally, held by community |
| Tree | Tuni | <i>Toona ciliata</i> | | Lower shiwalik | Abundance | Abundance | own | Stem | nil | nil | Generally, held by community |
| Tree | Badoo | <i>Ficous Banglensis</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Popular | <i>Populus ciliata</i> | | Lower shiwalik | Rare | Abundance | own | Leaves/Stem | nil | nil | Generally, held by community |
| Tree | Froh | <i>Grewia sapida</i> | | Lower shiwalik | Rare | Rare | own | Leaves | nil | nil | Generally, held by community |
| Tree | Arjun | <i>Terminalia arjuna</i> | | Lower shiwalik | Rare | Abundance | own | Leaves/Bark | nil | nil | Generally, held by community |
| 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 |
| Flai | <i>Acacia Modesta</i> | Kikker | Scattered in forest | Rare | Fodder | leaf/branches | Good for Teeth Healing | | Generally, held by community |
| Jungli putna | <i>Mentha arvensis</i> | Putna | Along the Nalla's | Abundance | Medicinal use | Leaf | Medicinal Properties | | Generally, held by community |

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 |
| Kareer | <i>Rosa acicularis</i> | | Lower to upper shiwalik | Non-Commercial | N.A | N.A | Generally, held by community |
| kringal | <i>Casia fistula</i> | | Lower shiwalik | Non-Commercial | N.A | N.A | Generally, held by community |
| Gandera | <i>Nerium oleander</i> | | Lower Shiwalik | Non-Commercial | N.A | N.A | Generally, held by community |
| Thub | <i>Erythrina indica</i> | | Lower Shiwalik and Plains | Non-Commercial | N.A | N.A | Generally, held by community |
| Badah | <i>Salix alba</i> | | Lower Shiwalik and Plains | Non-Commercial | N.A | N.A | Generally, held by community |

Format 25: Fumigate / Chewing Plants

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---------------------------|------------|------------------------------|---------|-----------------|--------------|--|----------------|---------------|-----------------------------|------------------------------|
| Plant (Herb, Shrub, Tree) | Local Name | Scientific Name | Variety | Habitat | Local Status | Uses (usage) | Part used | Associated TK | Other details (mode of use) | Community knowledge holder |
| Shrub | Trimuru | <i>Zantho Xylum Aurmatum</i> | | Forest | Rare | use for teeth Cleaning/Medicinal Purpose | Fruit,Branches | N.A | N.A | Generally, held by community |
| | brankad | <i>Adha toda vesica</i> | | Locally present | Abundance | Medicinal purpose | Flower | N.A | N.A | Generally, held by community |
| | Drainkdu | <i>Murraya koenigii</i> | | Locally present | Abundance | Edible | Leaf | N.A | N.A | Generally, held by community |
| | Bana | <i>Vitex negundo</i> | | Locally present | Rare | use for teeth Cleaning | Branches | N.A | N.A | Generally, held by community |
| Tree | Flai | <i>Acacia Modesta</i> | | Forest | Rare | Medicinal purpose | Branches | N.A | N.A | Generally, held by community |
| | Kiker | <i>Acacia Nilotica</i> | | Forest | Rare | use for teeth Cleaning | Branches | N.A | N.A | Generally, held by community |

Format 26: Timber Plants

| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 |
|------------|-------------------------|------------------------|--------------|-----------|--------------------|-------------------------------------|---------------|------------------------------|
| Local Name | Scientific Name | Habitat | Local Status | | Other Uses, if any | Associated TK | Other Details | Community/ Knowledge Holder |
| | | | Past | Present | | | | |
| Drankh | <i>Melia azedarach</i> | Lower shiwalik | Abundance | Rare | own | nil | nil | Generally, held by community |
| Jaman | <i>Syzygium cumini</i> | Lower shiwalik | Abundance | Abundance | own | maintains sugar level in human body | nil | Generally, held by community |
| Kiker | <i>Acacia Nilotica</i> | Lower shiwalik | Rare | Rare | own | nil | nil | Generally, held by community |
| Mango | <i>Mangifera Indica</i> | Lower shiwalik | Abundance | Abundance | own | nil | nil | Generally, held by community |
| Safeda | <i>Eucalyptus spp.</i> | Lower shiwalik | Rare | Abundance | commercial | nil | nil | Generally, held by community |
| Sree | <i>Albizzia lebbeck</i> | Lower shiwalik | Abundance | Abundance | own | nil | nil | Generally, held by community |
| Simbal | <i>Bombax ceiba</i> | Lower shiwalik | Abundance | Abundance | commercial | nil | nil | Generally, held by community |
| Talli | <i>Dalbergia sissoo</i> | Lower shiwalik | Abundance | Abundance | own | nil | nil | Generally, held by community |
| Tooth | <i>Morus alba</i> | Lower shiwalik | Rare | Abundance | own | nil | nil | Generally, held by community |
| Tuni | <i>Toona ciliata</i> | Lower shiwalik | Abundance | Abundance | own | nil | nil | Generally, held by community |
| Popular | <i>Populus ciliata</i> | Lower shiwalik | Rare | Abundance | own | nil | nil | Generally, held by community |
| Kau | <i>Olea cuspidata</i> | Lower shiwalik | Rare | Rare | own | nil | nil | Generally, held by community |
| Chir | <i>Pinus roxburghii</i> | Lower & Upper shiwalik | Abundance | Abundance | own | nil | Resin | Generally, held by community |

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 | | | | | |
| Mammals | Chitra | <i>Panthera pardus</i> | Forest | - | Summer Season | - | - | - | - | - | - | Generally, held by community |
| Mammals | Jungali Billi | <i>Felis chaus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Mangoose | <i>Herpsters aurpunctatus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Jackal | <i>Canis aureus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Indian Fox | <i>Vulpes bengalensis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Five Stripped Palm Squirrel | <i>Funambulus penanti</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Field Mouse | <i>Mus boodnga</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Indian Porcupine (sahi) | <i>Hustrix indica</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Indian Hare (khargosh) | <i>Lepus negricolis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Barking Deer (Kakkarh) | <i>Muntiacus moutjak</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mammals | Indian Wild Boar (Jungali Sour) | <i>Sus scrofa</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |

| | | | | | | | | | | | | |
|-------|------------------------------|--------------------------------|--------|---|---|---|---|---|---|---|---|------------------------------|
| Birds | Common Pea Fowl | <i>Pavo cristatus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Blue-Rock Pigeon | <i>Columba Lioia</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | White Backed Bengal Vultures | <i>Psuedogypes bengalensis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Jungle Crow | <i>Corvous marcorhynchos</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | House Crow | <i>Corvous splendens</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Rollel or Blue Jay | <i>Coracras bengalensis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Koel | <i>Eudynamys scolopacea</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Common Hawk Cuckoo | <i>Cuculus varius</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Black Headed Myna | <i>Sturnus pagodarus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Wood Pecker | <i>Dryobates himalayansis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Toota (Mansari) | <i>Psittacula crameri</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Cheel | <i>Miloumegrans</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Moor | <i>Pavo cristatus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Indian Robin | <i>Saxicolaides fulicata</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |

| | | | | | | | | | | | | |
|------------|-----------------------------------|------------------------------|--|---|---------------|---|---|---|---|---|---|------------------------------|
| Birds | Paradise Fly Catcher | <i>Terpsiphon paradisi</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | White Spotted Fantail Fly Catcher | <i>Rhipidura albicollis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Whitte Breasted king Fisher | <i>Halcyon amyrensis</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | House Sparrow | <i>Passer domesticus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | The Hoopoe | <i>Upupa epops</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | White Checked Bulbul | <i>Pycnonotus leucogenys</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Goldern oriola | <i>Oriolus oriolus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Reptiles | Cobra/Naag | <i>Naja naja</i> | Forest/Cultivated Areas/Along Water Bodies | | Summer Season | | - | - | - | - | - | Generally, held by community |
| Reptiles | Krait/Sanjuth | <i>Zamenies mucosus</i> | Forest/Cultivated Areas/Along Water Bodies | | Summer Season | | - | - | - | - | - | Generally, held by community |
| Reptiles | Python/Sangni | <i>Python morulus</i> | Forest/Cultivated Areas/Along Water Bodies | | Summer Season | | - | - | - | - | - | Generally, held by community |
| Reptiles | Himalayan Pit Viper | <i>Viper rusellii</i> | Forest/Cultivated Areas/Along Water Bodies | | Summer Season | | - | - | - | - | - | Generally, held by community |
| Amphibians | Mendak/meenk | <i>Rana tigrina</i> | Pond/Land | | Rainy Season | | - | - | - | - | - | Generally, held by community |
| Amphibians | Toad/Dadu | <i>Buff melanostictus</i> | Pond/Land | | Rainy Season | | - | - | - | - | - | Generally, held by community |

URBAN BIODIVERSITY

Format 29: Flora

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|---------|------------|-----------------|----------------|---------|------------------|------------------------------|
| Sr. No. | Local Name | Scientific Name | Type of Plants | Habitat | Flowering Season | Remarks (Rare / Common etc.) |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Format 30: Fauna

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

Note: Separate format should be used for road side plantation - habitat / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

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

End of Part II