

## People Biodiversity Register (PBR): General Details

**Name of the Panchayat Samiti:** Malhar

**Taluk:** Udhampur

**District:** Udhampur

**State:** J&K UT

**Geographical Area of the Panchayat Samiti:**

**Population under the Panchayat Samiti:** Total 4000

**Male:** 1130

**Female:** 1127

**Habitat and Topography:** Hilly Plain

**Climate (Rainfall, Temperature and weather patterns)** Weather Patterns

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

**Date, Month and Year of PBR Preparation:** 28.11.2019

**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:** Uttam Singh S/o Sunak Singh

**Age:** 52

**Gender:** Male

**Address:** Malhar Ward No.6

**Area of specialization:** Social Worker Agriculture

**2) Name:** Babu Ram S/o TejRam

**Age:** 45

**Gender:** Male

**Address:** Nainsoo Ward No.5

**Area of specialization:** Masson

**3)Name:** Binayia S/o Kaku Din

**Age:** 26

**Gender:** Male

**Address:** Ward No. 2

**Area of specialization:** Agriculture

**4)Name:** Vijay Laxmi W/o Gopal Dass

**Age:** 35

**Gender:** Female

**Address:** Ward No.7 Malhar

**Area of specialization:** Tailoring

**5)Name:** Savitri Devi W/o Mohan Lal

**Age:** 37

**Gender:** Female

**Address:** Ward No. Kamti Nainsoo

**Area of specialization:** Agriculture

**6)Name:** Mohan S/o Des Raj

**Age:** 62

**Gender:** Male

**Address:** Malhar Ward No.8

**Area of specialization:**

**7)Name:** Neha

**Age:** 35

**Gender:** Female

**Address:** Ward No.2 Malhar

**Area of specialization:** Tailoring

## 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:** Mohan Lal S/o Des Raj

**Age:** 65 years

**Gender:** Male

**Address:**

**Area of specialization:** Fanda

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**2) Name:** Ram Chand S/o Mansukh

**Age:** 62 years

**Gender:** Male

**Address:**

**Area of specialization:** Fanda

**Location from which the person accesses biological material:**

**Perception of the practitioner on the resource status:**

**Medicinal Use:**

**3) 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:**

### 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: Nil

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson: Nil

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson: Nil

Age:

Gender:

Address:

Area of specialization:

**Annexure 4**

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

**1) Contact Person:**

**Name and Address:**

**2) Contact Person:**

**Name and Address:**

**3) Contact Person:**

**Name and Address:**

**4) Contact Person:**

**Name and Address:**

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

## Annexure 5

**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**

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

**Part II**  
**PBR – Formats**  
**AGROBIODIVERSITY**

**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 (hectare) | Local Status |         | Special features   | Cropping season | Uses                     | Associated TK        | Other details                      | Source of Seeds/Plants                | Community/ Knowledge Holder |
|       |                          |            |                         |                     |                              | Past         | Present |  |                 |                          |                      |                                    |                                       |                             |
| Rice  | <i>Oryza sativa</i>      |            | Veliyan                 | Lowland valleys     |                              | Plenty       | Rare    | Tall variety High yield Resistant to drought, flood, pest & diseases |                 | Food Fodder Roofing Fuel | Provides more energy | Suitable for “Valicha” cultivation |                                       | Kurichiya Kuruma W. Chetty  |
| Maize | <i>Zea mays</i>          | Muck       | Improved Varieties only | Hilly               | 241.65                       | Plenty       | Rare    | Tall variety High yield Resistant to drought, flood, pest & diseases | Kharif          | Food Fodder              | Provides more energy | -                                  | Farmers / Department/ Private dealers | Farmers/ Department         |
| Wheat | <i>Triticum aestivum</i> | Kank       | Improved Varieties only | Hilly               | 25                           | Plenty       | Rare    | Tall variety High yield Resistant to drought, flood, pest & diseases | Rabi            | Food Fodder              | Provides more energy | -                                  | Farmers / Department/ Private dealers | Farmers/ Department         |

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 3: Fodder Crops / Species**

| 1       | 2                            | 3          | 4                   | 5            |          | 6                        | 7   | 8                          | 9             | 10                           |
|---------|------------------------------|------------|---------------------|--------------|----------|--------------------------|---|----------------------------|---------------|------------------------------|
| Plant   | Scientific Name              | Local Name | Landscape / Habitat | Local Status |          | Source of Plants / Seeds | Associated TK   | Part Used                  | Other details | Community / Knowledge holder |
|         |                              |            |                     | Past         | Present  |                          |   |                            |               |                              |
| Sorghum | <i>Sorghum spp.</i>          | Cherri     | Hilly               | Abundant     | Abundant | Farmers / Department     | Nutritious & palatable fodder, Source of energy for animals | Above ground part of plant | Fodder        | Farmers                      |
| Maize   | <i>Zea mays</i>              | Makki      | Hilly               | Abundant     | Abundant | Farmers / Department     | Nutritious & palatable fodder, Source of energy for animals | Above ground part of plant | Fodder        | Farmers                      |
| Bajra   | <i>Pennisetum americanum</i> | Bajra      | Hilly               | Abundant     | Abundant | Farmers / Department     | Nutritious & palatable fodder, Source of energy for animals | Above ground part of plant | Fodder        | Farmers                      |
|         |                              |            |                     |              |          |                          |   |                            |               |                              |
|         |                              |            |                     |              |          |                          |   |                            |               |                              |
|         |                              |            |                     |              |          |                          |   |                            |               |                              |
|         |                              |            |                     |              |          |                          |   |                            |               |                              |
|         |                              |            |                     |              |          |                          |   |                            |               |                              |

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

**Format 4: Weeds**

| 1         | 2                         | 3           | 4             | 5      | 6                   | 7            |          | 8           | 9                    | 10            | 11                        | 12                           |
|-----------|---------------------------|-------------|---------------|--------|---------------------|--------------|----------|-------------|----------------------|---------------|---------------------------|------------------------------|
| Plant     | Scientific Name           | Local Name  | Affected crop | Impact | Landscape / Habitat | Local Status |          | Uses if any | Management options   | Associated TK | Other details like exotic | Community / Knowledge Holder |
|           |                           |             |               |        |                     | Past         | Present  |             |                      |               |                           |                              |
| Dub Grass | <i>Cynodon - dactylon</i> | Dub Grass   | Rabi/ Kharif  |        | Hilly               | Abundant     | Abundant | Fooder      | Mechanical, Chemical | -             | Agri. & wasteLand         | Farmers                      |
| Wild oats | <i>Avena fatua</i>        | Jangli Javi | Oats          |        | Hilly               | Abundant     | Abundant | Fooder      | Above ground parts   | -             | Agri. & wasteLand         | 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 |
|      | Cut worm        | <i>Agrotis ipsilon</i>    | Ludi/ Toka   | Attacks all crops | All seasons             | Mechanical& Chemical measures | -             | Cause extensive damage to almost all crops,attacks humans | Farmers/ General Public    |
|      | Field rats      | <i>Rattus meltda</i>      | fpri-        | Attacks all crops | All seasons             | Mechanical& Chemical measures | -             | Cause extensive damage to almost all crops,attacks humans | Farmers/ General Public    |
|      | Monkey          | <i>Macaca mulatta</i>     | Bander/ Tolo | Attacks all crops | All seasons             | Mechanical& Chemical measures | -             | Cause extensive damage to almost all crops,attacks humans | Farmers/ General Public    |
|      | Porcupine       | <i>erethizon dorsatum</i> | Say          | Attacks all crops | All seasons             | Mechanical& Chemical measures | -             | Cause extensive damage to almost all crops,attacks humans | Farmers/ General Public    |
|      |                 |                           |              |                   |                         |                               |               |   |                            |
|      |                 |                           |              |                   |                         |                               |               |   |                            |

Other details may include possible reasons for insects/animal attack



**Format 7: Peoplescape**

| 1                                 | 2                                      | 3                      | 4                          | 5   | 6                                     | 7                                    | 8                   | 9                       | 10                           | 11                |
|-----------------------------------|--|------------------------|----------------------------|---|---------------------------------------|--------------------------------------|---------------------|-------------------------|------------------------------|-------------------|
| <b>Community &amp; Population</b> | <b>Families &amp; Major occupation</b> | <b>Sub- occupation</b> | <b>Depending Landscape</b> | <b>Major resources accessed and seasons of access</b> | <b>Landscape management practices</b> | <b>Resource management practices</b> | <b>Cast / tribe</b> | <b>Social condition</b> | <b>Nature of inhabitants</b> | <b>No. of HHs</b> |
| Gen                               |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
| SC                                |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
| ST                                |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
| OBC                               |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
|                                   |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
|                                   |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
|                                   |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |
|                                   |  |                        |                            |   |                                       |                                      |                     |                         |                              |                   |

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 9: Waterscape**

| 1                              | 2                | 3                               | 4                | 5                    | 6                    | 7                 | 8                  | 9                           | 10                  | 11                   | 12                   | 13                        |
|--------------------------------|------------------|---------------------------------|------------------|----------------------|----------------------|-------------------|--------------------|-----------------------------|---------------------|----------------------|----------------------|---------------------------|
| <b>Waterscape element type</b> | <b>Sub- type</b> | <b>Features and approx area</b> | <b>Ownership</b> | <b>General flora</b> | <b>General fauna</b> | <b>Major uses</b> | <b>User groups</b> | <b>Management practices</b> | <b>General uses</b> | <b>Associated TK</b> | <b>Other details</b> | <b>Community accessed</b> |
| Bowlis - 30                    |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
| Pond - 6                       |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
| Hand Pump - 2                  |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |
|                                |                  |                                 |                  |                      |                      |                   |                    |                             |                     |                      |                      |                           |

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





| Format 11: Fruit Trees |            |                        |       |  | DOMESTICATED BIODIVERSITY |           |                       |                   |  |                 |                            |
|------------------------|------------|------------------------|-------|--|---------------------------|-----------|-----------------------|-------------------|--|-----------------|----------------------------|
| 1                      | 2          | 3                      | 4     | 5  | 6                         |           | 7                     | 8                 | 9  | 10              | 11                         |
| Plant type             | Local Name | Scientific Name        | Habit | Habitat  | Local Status              |           | Source of plant/seeds | Parts Collected   | Associated TK  | Other Details   | Community Knowledge Holder |
|                        |            |                        |       |  | Past                      | Present   |                       |                   |  |                 |                            |
| Tree                   | Akhrot     | <i>Juglans regia</i>   | Tree  | Scattered tree around the village area         | Available                 | Available | Own use               | Fruit, bark, Stem | Fruits-Dry fruit, Bark-Used for brushing teeth, Stem- Timber value | Medicinal value | Self Observed              |
| Tree                   | Sehtoot    | <i>Morus serrata</i>   | Tree  | Sub-tropical/Mostly found in villages          | Available                 | Available | Commercial use        | Leaves, Fruit     | Leaves-Feeding the Silkworms, Fruits-Edible                        | Traditional Use | Self Observed              |
| Tree                   | Apple      | <i>Malus domestica</i> | Tree  | Temperate/Scattered tree found in village area | Available                 | Available | Commercial use        | Fruit             | Edible and rich source of nutrients                                | Medicinal value | Self Observed              |
| Tree                   | Malook     | <i>Diospyrus lotus</i> | Tree  | Temperate/Scattered tree found in village area | Available                 | Available | Commercial use        | Fruit             | Edible and rich source of nutrients                                | Cultural use    | Self Observed              |
| Tree                   | Bei        | <i>Cydonia oblonga</i> | Tree  | Temperate/Scattered tree found in village area | Available                 | Available | Commercial use        | Fruit             | Edible and rich source of nutrients                                | Unknown         | Self Observed              |
| Tree                   | Aru        | <i>Prunus persica</i>  | Tree  | Temperate/Scattered tree found in village area | Available                 | Available | Commercial use        | Fruit, Gum        | Edible and rich source of nutrients                                | Medicinal value | Self Observed              |

|            |             |                            |            |  |           |           |                |                               |                                     |                  |               |
|------------|-------------|----------------------------|------------|--|-----------|-----------|----------------|-------------------------------|-------------------------------------|------------------|---------------|
| Tree       | Allobukhara | <i>Prunus subg.</i>        | Tree       | Temperate/Scattered tree found in village area | Available | Available | Commercial use | Fruit                         | Edible and rich source of nutrients | Unknown          | Self Observed |
| Tree       | Nashpati    | <i>Pyrus</i>               | Tree       | Temperate/Scattered tree found in village area | Available | Available | Commercial use | Fruit                         | Edible and rich source of nutrients | Unknown          | Self Observed |
| Tree       | Gargle      | <i>Citron</i>              | Tree       | Sub-tropical                                   | Available | Available | Commercial use | Fruit                         | Used for preparation of pickle      | Cultural Use     | Self Observed |
| Shrub/Tree | Dhruni      | <i>Punica granatus</i>     | Shrub/Tree | Sub-tropical/ Temperate                        | Available | Available | Commercial use | Fruit                         | Medicinal value                     | Religious Value  | Self Observed |
| Shrub      | Timbru      | <i>Zanthoxylum armatum</i> | Shrub      | Sub-tropical/ Temperate                        | Available | Available | Own use        | Fruit, Leaves, Stem, root etc | Medicinal value                     | Flavouring Agent | Self Observed |
| Shrub      | Ankhee      | <i>Rubus elliptica</i>     | Shrub      | Sub-tropical                                   | Available | Available | Own use        | Fruit                         | Edible                              | Unknown          | Self Observed |

**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/<br>Habitat | Source of<br>Plant/Seeds | Local status |          | Uses (usage)                             | Part used     | Associated TK | Other details<br>market/own<br>use | Community/ Know.<br>Holders    |
|            |               |                            |         |                       |                          | Past         | Present  |  |               |               |                                    |                                |
| Herbs      | Jungli Putana | <i>Mentha</i>              |         | Lower Shiwalik        | Roots                    | Abundant     | Abundant | Nil                                      | Leaves        | NA            | NA                                 | Generally held by<br>Community |
| Shurbs     | Brankad       | <i>Adhatoda vasica</i>     |         | Lower Shiwalik        | Seeds                    | Abundant     | Abundant | Nil                                      | Leaves        | NA            | NA                                 | Generally held by<br>Community |
| Shurbs     | Drainkdu      | <i>Murraya koenigii</i>    |         | Sub Tropical Area     | Seeds                    | Rare         | Rare     | Nil                                      | Leaves        | NA            | NA                                 | Generally held by<br>Community |
| Shurbs     | Thor          | <i>Euphorbia royleana</i>  |         | Lower Shiwalik        | Seeds                    | Abundant     | Abundant | Nil                                      | Leaves        | NA            | NA                                 | Generally held by<br>Community |
| Tree       | Amla          | <i>Phyllanthus emblica</i> |         | Lower Shiwalik        | Seeds                    | Abundant     | Abundant | Nil                                      | Leaves Fruits | NA            | NA                                 | Generally held by<br>Community |
| Tree       | Bair          | <i>Ziziphus mauritiana</i> |         | Lower Shiwalik        | Seeds                    | Rare         | Rare     | Nil                                      | Steam         | NA            | NA                                 | Generally held by<br>Community |
| Tree       | Draink        | <i>Melia azedarach</i>     |         | Lower Shiwalik        | Seeds                    | Abundant     | Abundant | Nil                                      | Leaves        | NA            | NA                                 | Generally held by<br>Community |
| Tree       | Jammun        | <i>Syzygium cumini</i>     |         | Lower Shiwalik        | Seeds                    | Abundant     | Abundant | Maintain<br>Sugar Level in<br>Human body | Leaves Fruits | NA            | NA                                 | Generally held by<br>Community |
| Tree       | Mango         | <i>Mangifera indica</i>    |         | Lower Shiwalik        | Seeds                    | Abundant     | Abundant | Nil                                      | Stem / Fuits  | NA            | NA                                 | Generally held by<br>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   |              |                     |                    |   |                           |
| Cattle      | Gaay       | <i>Bosindicus</i>   | Local                | Humped   | Semiintensive     | Large        | Less      | Milk         | Milk good for brain | Nil                | Ghee, curd,Butter, kaladi,cheese              | Farmer                    |
|             | Jersey     | <i>Bos Tarus</i>    | Jersey Hybrid        | Humpless | Stallfed          | Less         | Large     | drought milk | Milk good for brain | Yes                | Ghee, curd,Butter, kaladi,cheese              | Farmer                    |
|             | HF         | <i>Bos Tarus</i>    | Hforos               | Humpless | Stallfed          | Less         | Large     | drought milk | Milk good for brain | Yes                | Ghee, curd,Butter, kaladi,cheese              | Farmer                    |
|             | Sahiwal    | <i>Bosindicus</i>   | Local                | Humped   |                   | Less         | Large     | drought milk | Milk good for brain | No                 | Ghee, curd,Butter, kaladi,cheese              | Farmer                    |
| Buffalo     | Bhains     | <i>Bubblous</i>     | Local/Hybrid         | Humpless | Semiintensive     | Large        | Less      | Milk         | Ploughing           | No                 | Ploughing, carting                            | Farmer                    |
|             |            | <i>Bubalis</i>      |                      |          |                   |              |           |              |                     |                    |   |                           |
| Buffox      | Saand      | <i>Bubblous</i>     | Local/Hybrid         | Humpless | Semiintensive     | Large        | Less      | Ploughing    | Ploughing           | No                 | Ploughing, carting                            | Farmer                    |
|             |            | <i>Bubalis</i>      |                      |          |                   |              |           |              |                     |                    |   |                           |
| Goat        | Bakri      | <i>Capra Hercus</i> | Local/Hybrid         | -        | Domesticated      | Available    | Available | Milk, Meat   | -                   | Yes                | Meat, Milk,Hide                               | Farmer, Bakerwal,shepherd |

|       |        |                     |              |   |                  |           |           |              |   |     |                   |                              |
|-------|--------|---------------------|--------------|---|------------------|-----------|-----------|--------------|---|-----|-------------------|------------------------------|
| Sheep | Bhed   | <i>Ovisovis</i>     | Local/Hybrid | - | Domesticated     | Available | Available | Meat         | - | Yes | Meat and wool     | Farmer,<br>Bakerwal,shepherd |
| Dog   | Kutta  | <i>Cannis lupus</i> | Local/Hybrid | - | Pet/Domesticated | Available | Available | Guarding     | - | No  | Guarding/security | Individual                   |
| Cat   | Billi  | <i>Felis Catus</i>  | Local        | - | Domesticated     | Available | Available | Pest Control | - | No  | -                 | -                            |
| Horse | Ghorda | <i>Equscabalus</i>  | Local/Hybrid | - | Domesticated     | Available | Available | Drought      | - | -   | Drought, racing   | Individual horse<br>owner    |
| Pig   | Suar   | <i>Subscrofa</i>    | Local        | - | free roaming     | Available | Available | Meat         | - | -   | Meat              | Pig owner                    |
|       |        |                     |              |   |                  |           |           |              |   |     |                   |                              |

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/<br>Own use | Parts Collected | Associated TK  | Other Details         | Community<br>Knowledge Holder |
|            |            |                  |       |                                       | Past         | Present   |                        |                 |  |                       |                               |
| Tree       | Kainth     | Pyrus pashia     | Tree  | Sub-tropical                          | Available    | Available | Own use                | Leaves, fruits  | Leaves are used for staining purposes and fruits are edible          | Traditional Medicines | Self Observed                 |
| Tree       | Kau        | Olea cuspidata   | Tree  | Sub-tropical                          | Available    | Available | Own use                | Stem, branches  | Stem and branches are used for making handles of agricultural tools. | Unknown               | Self Observed                 |
| Tree       | Champ      | Alnus nepalensis | Tree  | Sub-tropical/Temperate                | Available    | Available | Own use                | Stem            | Timber value   | Unknown               | Self Observed                 |
| Tree       | Fagada     | Ficus palmata    | Tree  | Scattered tree found in village area  | Available    | Available | Own use                | Fruit           | Fruits are edible and rich source of nutrients.                      | Traditional Medicines | Self Observed                 |
| Tree       | Shisham    | Dalbergia Sissoo | Tree  | Scattered tree found in village area  | Available    | Available | Own use                | Leaves, Stem    | Leaves-Medicinal Value, Stem-Timber value                            | Medicinal value       | Self Observed                 |
| Tree       | Dhaman     | Grewia optiva    | Tree  | Sub-tropical                          | Available    | Available | Own use                | Leaves, bark    | Leaves- Fodder, Bark- Used for making Ropes                          | Traditional Use       | Self Observed                 |
| Tree       | Sehtoot    | Morus serrata    | Tree  | Sub-tropical/Mostly found in villages | Available    | Available | Commercial use         | Leaves, Fruit   | Leaves-Feeding the Silkworms, Fruits-Edible                          | Traditional Use       | Self Observed                 |
| Tree       | Kalasree   | Albizia lebbeck  | Tree  | Sub-tropical                          | Available    | Available | Own use                | Leaves, Stem    | Leaves- Fodder, Stem- Timber value                                   | Traditional Use       | Self Observed                 |
| Tree       | Tunu       | Toona ciliata    | Tree  | Sub-tropical                          | Available    | Available | Own use                | Stem            | Timber value   | Traditional Use       | Self Observed                 |

| 1          | 2          | 3                              | 4     | 5   | 6            |           | 7                      | 8                   | 9                                      | 10              | 11                            |
|------------|------------|--------------------------------|-------|---|--------------|-----------|------------------------|---------------------|--|-----------------|-------------------------------|
| Plant type | Local Name | Scientific Name                | Habit | Habitat   | Local Status |           | Commercial/<br>Own use | Parts Collected     | Associated TK                          | Other Details   | Community<br>Knowledge Holder |
|            |            |                                |       |   | Past         | Present   |                        |                     |  |                 |                               |
| Tree       | Kharak     | <i>Celtis australis</i>        | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Stem, Leaves        | Stem- Timber Value, Leaves-<br>Fodder  | Traditional Use | Self Observed                 |
| Tree       | Poplar     | <i>Populus ciliata</i>         | Tree  | Temperate   | Available    | Available | Own use                | Stem                | Timber Value                           | Unknown         | Self Observed                 |
| Tree       | Kamilla    | <i>Mallotus philippinensis</i> | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Stem                | Firewood                               | Medicinal value | Self Observed                 |
| Tree       | Aru        | <i>Prunus persica</i>          | Tree  | Temperate/Scattered tree<br>found in village area | Available    | Available | Commercial use         | Fruit, Gum          | Edible and rich source of<br>nutrients | Medicinal value | Self Observed                 |
| Tree       | Gargle     | Citron                         | Tree  | Sub-tropical                                      | Available    | Available | Commercial use         | Fruit               | Used for preparation of pickle         | Cultural Use    | Self Observed                 |
| Tree       | Flai       | <i>Acacia nilotica</i>         | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Branches & Leaves   | Firewood                               | Traditional Use | Self Observed                 |
| Tree       | Jamun      | <i>Syzzium cumini</i>          | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Fruit               | Firewood                               | Traditional Use | Self Observed                 |
| Tree       | Draink     | <i>Melia azedarach</i>         | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Fruit & Leaves      | Firewood                               | Medicinal value | Self observed                 |
| Tree       | Papita     | <i>Carica papaya</i>           | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Fruit               | Edible                                 | Medicinal value | Self observed                 |
| Tree       | Simbal     | <i>Bombyx ceiba</i>            | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Stem, Fruit, Leaves | Fodder                                 | Commerical      | Self observed                 |
| Tree       | Bael       | <i>Aegel marmelos</i>          | Tree  | Sub-tropical                                      | Available    | Available | Own use                | Fruit & Leaves      | Medicinal Value                        | Religious Value | Self Observed                 |

| 1          | 2            | 3                    | 4     | 5            | 6            |           | 7                      | 8                          | 9  | 10                           | 11                            |
|------------|--------------|----------------------|-------|--------------|--------------|-----------|------------------------|----------------------------|--|------------------------------|-------------------------------|
| Plant type | Local Name   | Scientific Name      | Habit | Habitat      | Local Status |           | Commercial/<br>Own use | Parts Collected            | Associated TK                              | Other Details                | Community<br>Knowledge Holder |
|            |              |                      |       |              | Past         | Present   |                        |                            |  |                              |                               |
| Tree       | Behra        | Terminilia bellirica | Tree  | Sub-tropical | Available    | Available | Own use                | Fruit & Leaves             | Medicinal Value                            | -                            | Self Observed                 |
| Tree       | Safeda       | Eucalyptus globulus  | Tree  | Sub-tropical | Available    | Available | Own use                | Stem, Leaves               | Medicinal Value                            | Soil Binder                  | Self Observed                 |
| Shrub      | Bana         | Vitex negundu        | Shrub | Sub-tropical | Available    | Available | Own use                | Leaves                     | -  | Medicinal and<br>religious   | Self Observed                 |
| Shrub      | Brainkad     | Adhadoda vasica      | Shrub | Sub-tropical | Available    | Available | Own use                | Stem, flower and<br>leaves | Treatment of bronchitis, cough<br>and cold | Medicinal and<br>traditional | Self Observed                 |
| Shrub      | Lal Gandila  | Nerium indicum       | Shrub | Sub-tropical | Available    | Available | Own use                | Flower & Leaves            | Medicinal Value                            | Medicinal and<br>traditional | Self Observed                 |
| Herb       | Barrain      | Acorus calamus       | Herb  | Sub-tropical | Available    | Available | Commercial Use         | Roots                      | Medicinal Value                            | Medicinal and<br>traditional | Self Observed                 |
| Herb       | Bhang        | Cannabis sativa      | Herb  | Sub-tropical | Available    | Available | Own use                | Leaves                     | Analgesic                                  | Religious                    | Self Observed                 |
| Herb       | Brahmi Butti | Centella asiatica    | Herb  | Sub-tropical | Available    | Available | Commercial Use         | Leaves                     | Medicinal Value                            | Medicinal and<br>traditional | Self Observed                 |
| Shrub      | Geloy        | Tinospora cardifolia | Shrub | Sub-tropical | Available    | Available | Own use                | Stem                       | Medicinal Value                            | Medicinal and<br>traditional | Self Observed                 |
| Shrub      | Mlungad      | Bauhinia vahlliwight | Shrub | Sub-tropical | Available    | Available | Own use                | Stem                       | Traditional Value                          | Traditional Value            | Self Observed                 |
| Shrub      | Garna        | Carissa spinarum     | Shrub | Sub-tropical | Available    | Available | Own use                | Fruit                      | Edible                                     | Rich source of<br>Nutrients  | Self Observed                 |

| 1          | 2           | 3                        | 4          | 5            | 6            |           | 7                      | 8                 | 9                      | 10              | 11                            |
|------------|-------------|--------------------------|------------|--------------|--------------|-----------|------------------------|-------------------|------------------------|-----------------|-------------------------------|
| Plant type | Local Name  | Scientific Name          | Habit      | Habitat      | Local Status |           | Commercial/<br>Own use | Parts Collected   | Associated TK          | Other Details   | Community<br>Knowledge Holder |
|            |             |                          |            |              | Past         | Present   |                        |                   |                        |                 |                               |
| Shrub      | Sentha      | Dodonea viscosa          | Shrub      | Sub-tropical | Available    | Available | Own use                | Stem              | Firewood               | Soil Binder     | Self Observed                 |
| Shrub      | Datura      | Datura Inooxa            | Shrub      | Sub-tropical | Available    | Available | Own use                | Fruit             | Intoxicant             | Religious Value | Self Observed                 |
| Shrub      | PanjjPhulli | Lantana Camera           | Shrub      | Sub-tropical | Available    | Available | Weed                   | Weed              | Weed                   | Weed            | Self Observed                 |
| Shrub      | Lassini     | Leucaena<br>Leucocephala | Shrub/Tree | Sub-tropical | Available    | Available | Own use                | Leaves & Branches | Fodder                 | Soil Binder     | Self Observed                 |
| Shrub      | Chamber     | Artemisia Nilagrica      | Shrub      | Sub-tropical | Available    | Available | Own use                | Whole Plant       | Medicinal Value        | Traditional use | Self Observed                 |
| Shrub      | Dassi Aak   | Calotropis Procera       | Shrub      | Sub-tropical | Available    | Available | Own use                | Whole Plant       | Religious Value        | -               | Self Observed                 |
| Shrub      | Jajooli     | Mucuna Pruriens          | Shrub      | Sub-tropical | Available    | Available | Weed                   | Weed              | Insect/ Pest Repellent | -               | Self Observed                 |
| Shrub      | Trapparsula | Opuntia vulgris          | Shrub      | Sub-tropical | Available    | Available | Own use                | Growing Buds      | Medicinal Value        | -               | Self Observed                 |
| Shrub      | Kewda       | Agave americans          | Shrub      | Sub-tropical | Available    | Available | Own use                | Whole Plant       | Medicinal Value        | -               | Self Observed                 |
| Shrub      | Aloe vera   | Aloe vera                | Shrub      | Sub-tropical | Available    | Available | Own use                | Whole Plant       | Medicinal Value        | -               | Self Observed                 |
| Grass      | Khabbal     | Cyanodon dactylon        | Grass      | Sub Tropical | Available    | Available | Own use                | Entire Plant      | Fodder                 | Religious Value | Self Observed                 |

| 1          | 2              | 3                       | 4     | 5                       | 6            |           | 7                      | 8               | 9               | 10              | 11                            |
|------------|----------------|-------------------------|-------|-------------------------|--------------|-----------|------------------------|-----------------|-----------------|-----------------|-------------------------------|
| Plant type | Local Name     | Scientific Name         | Habit | Habitat                 | Local Status |           | Commercial/<br>Own use | Parts Collected | Associated TK   | Other Details   | Community<br>Knowledge Holder |
|            |                |                         |       |                         | Past         | Present   |                        |                 |                 |                 |                               |
| Grass      | Dilla          | Centipedde              | Grass | Sub Tropical            | Available    | Available | Own use                | Entire Plant    | Fodder          | Unknown         | Self Observed                 |
| Grass      | Baru           | Sorghum Halepense       | Grass | Sub Tropical            | Available    | Available | Own use                | Entire Plant    | Fodder          | Unknown         | Self Observed                 |
| Grass      | Trumba         | Fegopyrum<br>esculentum | Grass | Temperate               | Available    | Available | Own use                | Entire Plant    | Fodder          | Unknown         | Self Observed                 |
| Grass      | Lamb Kaa       |                         | Grass | Sub Tropical            | Available    | Available | Own use                | Entire Plant    | Fodder          | Unknown         | Self Observed                 |
| Herbs      | Congress Grass | Parthenium              | Herbs | Sub Tropical            | Available    | Available | Weeds                  | Unknown         | Unknown         | Unknown         | Unknown                       |
| Herbs      | Pudina         | Mentha spicata          | Herbs | Sub-tropical/ Temperate | Available    | Available | Own use                | Leaves          | Medicinal Value | Unknown         | Self Observed                 |
| Herbs      | Puthkanda      | Achyranthes Aspra       | Herbs | Sub-tropical            | Available    | Available | Own use                | Whole plant     | Medicinal Value | Traditional use | Self Observed                 |
| Herbs      | Jojra          | Pupalia Lappacea        | Herbs | Sub-tropical            | Available    | Available | Weed                   | Weed            | Weed            | -               | Self Observed                 |
| Herbs      | Dudli Butti    | Euphorbia geniculata    | Herbs | Sub-tropical            | Available    | Available | Weed                   | Weed            | Medicinal Value | -               | Self Observed                 |

**Format 19: Wild Plant Species of Importance**

| 1    | 2          | 3                       | 4       | 5  | 6         |
|------|------------|-------------------------|---------|--|-----------|
| S.No | Local Name | Scientific Name         | Variety | Importance(as economic, social, cultural etc.) | Status    |
| 1    | Chir       | Pinus roxburghii        | Wild    | Econmic, Social                                | Available |
| 2    | Kainth     | Pyrus pashia            | Wild    | Social   | Available |
| 3    | Kau        | Olea cuspidata          | Wild    | Social   | Available |
| 4    | Saintha    | Dodonea viscosa         | Wild    | Soil Binder                                    | Available |
| 5    | Kambli     | Berberies aristata      | Wild    | Soil Binder and Economic                       | Available |
| 6    | Fagada     | Ficus palmata           | Wild    | fruit edible                                   | Available |
| 7    | Shisham    | Dalbergia Sissoo        | Wild    | Economical, Social                             | Available |
| 8    | Dhaman     | Grewia optiva           | Wild    | Economical, Social                             | Available |
| 9    | Kalasree   | Albizia lebbeck         | Wild    | Economical, Social                             | Available |
| 10   | Tunu       | Toona ciliata           | Wild    | Economical, Social, Commercial                 | Available |
| 11   | Kharak     | Celtis australis        | Wild    | Economical, Social                             | Available |
| 12   | Kamilla    | Mallotus philippinensis | Wild    | Economical, Social                             | Available |
| 13   | Draink     | Melia azedarach         | Wild    | Economical, Social                             | Available |
| 14   | Kamila     | Mallotus philippinensis | Wild    | Economical, Social                             | Available |

|    |         |                      |      |                                |           |
|----|---------|----------------------|------|--------------------------------|-----------|
| 15 | Krangal | Cassia fistula       | Wild | Economical, Social             | Available |
| 16 | Amla    | Emblica officianalis | Wild | Economical, Social, Commercial | Available |
| 17 | Katriad | Bauhinia verigata    | Wild | Economical, Social             | Available |
| 18 | Bael    | Aegel marmelos       | Wild | Economical, Social             | Available |
| 19 | Simbal  | Bombyx ceiba         | Wild | Economical, Social             | Available |
| 20 | Flai    | Acacia nilotica      | Wild | Economical, Social             | Available |



**Format 20: Aquatic Biodiversity**

| 1          | 2               | 3       | 4   | 5                     | 6            |         | 7             | 8                | 9             | 10                          |
|------------|-----------------|---------|---|-----------------------|--------------|---------|---------------|------------------|---------------|-----------------------------|
| Local Name | Scientific Name | Variety | Features  | Habitat               | Local Status |         | Uses          | Associated TK    | Other Details | Community/ Knowledge Holder |
|            |                 |         |   |                       | Past         | Present |               |                  |               |                             |
| Mendak     | Rana tigrina    | Wild    | Greenish or greyesh, pointed snout , long muscular hind limbs | Moist Areas           | More         | More    | No direct use | Unknown          | Unknown       | Self Observed               |
| Jook       | Hirudinea       | Wild    | Segmented parasite  | Moist areas           | More         | More    | Medicinal use | Used for Therapy | Unknown       | Self Observed               |
| Sarkeed    | Brachyura       | Wild    | Crustacean, thick exoskelton                                  | Shores of rivers/pond | More         | More    | No direct use | Unknown          | Unknown       | Self Observed               |

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

| 1    | 2          | 3                            | 4       | 5               | 6      |
|------|------------|------------------------------|---------|-----------------|--------|
| S.No | Local Name | Scientific Name              | Variety | Importance      | Trends |
| 1    | Water lily | <i>Nymphaea nouchali</i>     | Wild    | Medicinal Value | -      |
| 2    | Barrian    | <i>Acorus calamus</i>        | Wild    | Medicinal Value | -      |
| 3    | Swal       | <i>Chlorophyta</i>           | Wild    | Organic manure  | -      |
| 4    | Hydrilla   | <i>Hydrilla verticillata</i> | Wild    | -               | -      |
| 5    | Pattar     | <i>Nymphoides ezannoi</i>    | Wild    | -               | -      |

**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   |                           |  |  |                               |                            |
| Tree                     | Chir       | <i>Pinus roxburghii</i>        | Wild    | Forest            | Available    | Available | Commercial use            | Stem, needles, cones, Resin etc                    | Stem- Timber value, Needles- construction purposes and fuel, Cones- as fuel, Resin-Varnish and paint | -                             | Self Observed              |
| Tree                     | Kainth     | <i>Pyrus pashia</i>            | Wild    | Forest            | Available    | Available | Own use                   | Leaves, fruits                                     | Leaves are used for staining purposes and fruits are edible  | Traditional Medicines         | Self Observed              |
| Tree                     | Kau        | <i>Olea cuspidata</i>          | Wild    | Forest            | Available    | Available | Own use                   | Stem, branches                                     | Stem and branches are used for making handles of agricultural tools.                                 | Unknown                       | Self Observed              |
| Tree                     | Draink     | <i>Melia azedarach</i>         | Wild    | Forest            | Available    | Available | Medicinal                 | Antioxidant, antianalgesic, antidiabetic           | Leaves and Seed  | Own use                       | Self observed              |
| Tree                     | Kamila     | <i>Mallotus philippinensis</i> | Wild    | Forest            | Available    | Available | Staining agent            | Dying and herbal remedies                          | Fruit  | Own use                       | Self observed              |
| Tree                     | Krangal    | <i>Cassia fistula</i>          | Wild    | Forest            | Available    | Available | medicinal                 | Antipiratic, antiinflammatory                      | Seeds  | Own use                       | Self observed              |
| Tree                     | Amla       | <i>Emblica officianalis</i>    | Wild    | Forest            | Available    | Available | Medicinal                 | Rich source of Vitamin-c, immunity booster         | Fruit  | Market/Own use                | Self observed              |
| Tree                     | Katriad    | <i>Bauhinia verigata</i>       | Wild    | Forest            | Available    | Available | Medicinal and traditional | Used in dysentery and diarrhea, cure skin diseases | Flower   | Own use                       | Self observed              |
| Tree                     | Flai       | <i>Acacia nilotica</i>         | Wild    | Forest            | Available    | Available | Medicinal                 | Strengthening gums and teeth                       | Branches   |                               | Self observed              |

| 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   |                           |   |   |                               |                            |
| Tree                     | Jamun       | <i>Syzzium cumini</i>       | Wild    | Forest            | Available    | Available | Medicinal and Traditional | Antidiabetic, improves haemoglobin and also strengthen the gums and teeth   | Fruit, Leaves, bark, roots and branches | Market/Own use                | Self observed              |
| Tree                     | Kakarsinghi | <i>Pistacia integerrima</i> | Wild    | Forest            | Available    | Available | Medicinal                 | Cure cronic Bronchitis  | Fruit                                   | Market value                  | Self observed              |
| Tree                     | Arjuna      | <i>Terminilia arjuna</i>    | Wild    | Forest            | Available    | Available | Medicinal                 | Cure cardiac alinments  | Bark and leaves                         | Own use                       | Self observed              |
| Tree                     | Retha       | <i>Sapindus mukorossi</i>   | Wild    | Forest            | Available    | Available | Medicinal                 | Antibacterial and Antifungal properties                                     | Leaves and fruit                        | Own use                       | Self observed              |
| Tree                     | Behra       | <i>Terminilia bellirica</i> | Wild    | Forest            | Available    | Available | Medicinal                 | Antibacterial and Antifungal properties                                     | Leaves and fruit                        | Own use                       | Self observed              |
| Shrub                    | Bana        | <i>Vitex negundu</i>        | Wild    | Forest            | Available    | Available | Medicinal and religious   | Muscle relaxant, pain relieving   | Leaves                                  | Own use                       | Self observed              |
| Shrub                    | Brainkad    | <i>Adhadoda vasica</i>      | Wild    | Forest            | Available    | Available | Medicinal and traditional | Treatment of bronchitis, cough and cold                                     | Stem, flower and leaves                 | Own use                       | Self observed              |
| Shrub                    | Lal Gandila | <i>Nerium indicum</i>       | Wild    | Forest            | Available    | Available | Medicinal                 | Medicinal properties like anthelmintic, diuretic, cardio tonic, anti cancer | Roots, leaves and bark                  | Own use                       | Self observed              |
| Shrub                    | Kewda       | <i>Agave americans</i>      | Wild    | Forest            | Available    | Available | Medicinal                 | Medicinal properties  | Whole plant                             | Own use                       | Self observed              |
| Shrub                    | Aloe vera   | <i>Aloe vera</i>            | Wild    | Forest            | Available    | Available | Medicinal                 | Medicinal properties  | Whole plant                             | Own use                       | Self observed              |

| 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                     | Barrain      | <i>Acorus calamus</i>       | Wild    | Forest            | Available    | Available | Medicinal     | Used for gastro intestinal problem  | Roots            | Market value                  | Self observed              |
| Herb                     | Kins         | <i>Dioseoria deltoidea</i>  | Wild    | Forest            | Available    | Available | Medicinal     | Treatment of dogestive disorders, sore throat, wounds, burns, anaemia                         | Rhizomes, leaves | Market/Own use                | Self observed              |
| Herb                     | Bhang        | <i>Cannabis sativa</i>      | Wild    | Forest            | Available    | Available | Medicinal     | Cure fever, dysentery sunstroke and give alertness to the body                                | Leaves           | Own use                       | Self observed              |
| Herb                     | Brahmi Butti | <i>Centella asiatica</i>    | Wild    | Forest            | Available    | Available | Medicinal     | Repair nervous tissues due to spinal injury, neuromuscular disoredr and increase brain memory | Leaves           | Market value                  | Self observed              |
| Herb                     | Kadi Pata    | <i>Murraya koenigii</i>     | Wild    | Forest            | Available    | Available | Medicinal     | Antibacterial, antidiabetic   | Leaves           | Own use                       | Self observed              |
| Climber                  | Geloy        | <i>Tinospora cardifolia</i> | Wild    | Forest            | Available    | Available | Medicinal     | Used to treat diabilities, hifh colestrol, allergy, upset stomach, gout                       | Stem, branches   | Own use                       | Self observed              |
| Climber                  | Mlungad      | <i>Bauhinia vahlliwight</i> | Wild    | Forest            | Available    | Available | Medicinal     | Antibacterial, antidiabetic, analgesic, anti-inflammatory                                     | Leaves,Stem      | Market/Own use                | Self observed              |

**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 Knowledge Holder |
|                 |                             |                 |                          | Past         | Present   |                        |           |               |               |                            |
| Jangli Pudina   | <i>Mentha arvensis</i>      | Pudina          | Moist area               | Available    | Available | Flavouring agent       | Leaves    | Traditional   | Unknown       | Self Observed              |
| Chaleri         | <i>Amaranthus viridis</i>   | -               | Agriculture Lands        | Available    | Available | As vegetable           | Leaves    | Traditional   | Unknown       | Self Observed              |
| Dheu            | <i>Artocarpus lakoocha</i>  | Jackfruit       | Agriculture Lands        | Available    | Available | Fruits used for pickle | Fruit     | Traditional   | Unknown       | Self Observed              |
| Wild strawberry | <i>Fragaria vesca</i>       | Strawberry      | Fallow Lands             | Available    | Available | Fruit edible           | Fruit     | Traditional   | Unknown       | Self Observed              |
| Kela            | <i>Musa balbisiana</i>      | Banana          | Marshy lands             | Available    | Available | Fruit edible           | Fruit     | Traditional   | Unknown       | Self Observed              |
| Kemb            | <i>Citrus indica</i>        | Citrus fruits   | Agriculture/Fallow lands | Available    | Available | Fruit edible           | Fruit     | Traditional   | Unknown       | Self Observed              |
| Millet          | <i>Pennisetum purpureum</i> | Pearl millet    | Fallow Lands             | Available    | Available | -                      | -         | Traditional   | Unknown       | Self Observed              |
| Kaaw            | <i>Sorghum halepense</i>    | Sorghum         | Fallow Lands             | Available    | Available | Fodder                 | Leaves    | Traditional   | Unknown       |                            |
| Rice bean       | <i>Vigna umbellata</i>      | Bean            | Fallow Lands             | Available    | Available | -                      | -         | Traditional   | Unknown       | Self Observed              |

**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 |
| Gulmohar   | <i>Delonix regia</i>          | Local   | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Gulaca     | <i>Cassia glauca</i>          | Local   | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Gandila    | <i>Nerium</i>                 | Wild    | Forest   | Non-commercial                 | -                                 | Unknown          | Self observed              |
| China rose | <i>Hibiscus rosa-sinensis</i> | Local   | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Boganvilla | <i>Bougainvillea glabra</i>   | Local   | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Silver Oak | <i>Grevillea robusta</i>      | Local   | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Semia      | <i>Cassia semia</i>           | Local   | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Marigold   | <i>Tagetes erecta</i>         | Wild    | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |
| Murraya    | <i>Murraya paniculata</i>     | Local   | Roadside | Non-commercial                 | Aesthetic value                   | Unknown          | Self observed              |
| Kachnar    | <i>Bauhinia verigata</i>      | Wild    | Forest   | Commercial                     | Flower-Edible and medicinal value | Unknown          | Self observed              |
| Batai      | <i>Salix alba</i>             | Wild    | Forest   | Commercial                     | Timber value                      | Unknown          | Self observed              |
| Saru       | <i>Thuja occidentalis</i>     | Wild    | Roadside | Non-commercial                 | -                                 | Unknown          | Self observed              |

|               |                              |       |          |                |   |         |               |
|---------------|------------------------------|-------|----------|----------------|---|---------|---------------|
| Bottle Brush  | <i>Callistemon spp.</i>      | Local | Roadside | Non-commercial | - | Unknown | Self observed |
| Golden Shower | <i>Acacia auriculiformis</i> | Wild  | Forest   | Non-commercial | - | Unknown | Self observed |
| Motiya/Mongra | <i>Jasminum sambac</i>       | Local | Roadside | Non-commercial | - | Unknown | Self observed |
| Kewda         | <i>Agave americans</i>       | Wild  | Forest   | Non-commercial | - | Unknown | Self observed |
| Ashoka        | <i>Polyalthia longifolia</i> | Local | Roadside | Non-commercial | - | Unknown | Self observed |
| Juniper       | <i>Juniperus communis</i>    | Local | Roadside | Non-commercial | - | Unknown | Self observed |



**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   |  |                 |               |  |                            |
| Tree                     | Jamun      | Syzzium cumini      | Wild    | Sub-tropical            | Available    | Available | Teeth and gum diseases, antidiabetic                         | Branches, fruit | -             | Branches used for brushing teeth and fruit for diabetic problem  | Self observed              |
| Tree                     | Flai       | Acacia modsta       | Wild    | Sub-tropical            | Available    | Available | Teeth and gum diseases                                       | Branches        | -             | Branches used for brushing teeth                                 | Self observed              |
| Tree                     | Amla       | Emblica officinalis | Wild    | Sub-tropical            | Available    | Available | Rich in Vitamin-c  | Fruit           | -             | Edible   | Self observed              |
| Shrub                    | Timbru     | Zanthoxylum armatum | Wild    | Sub-tropical/Temperate  | Available    | Available | Disinfectant and antiseptic                                  | Branches, fruit | -             | Branches used for brushing teeth and fruit for medicinal purpose | Self observed              |
| Shrub                    | Tulsi      | Ocimum sanctum      | Local   | Moist soil/Temperate    | Available    | Available | Antioxidant, antiaging, treats Kidney stones, Relieves fever | Leaves          | -             | Leaves used in traditional medicines                             | Self observed              |
| Shrub                    | Saunf      | Foeniculum vulgare  | Local   | Humid/Temperate         | Available    | Available | Purify blood, improves eyesight                              | Fruit           |               | Traditional use  | Self observed              |
| Shrub                    | Aloe vera  | Aloe vera           | Local   | Sub-tropical            | Available    | Available | Medicinal Value  | Whole Plant     |               | Traditional use  | Self observed              |
| Herb                     | Brainkad   | Adhadoda vasica     | Local   | Sub-tropical            | Available    | Available | Antiviral, antibacterial, anti-inflammatory                  | Leaves          | -             | Traditional use  | Self observed              |
| Herb                     | Pudina     | Mentha spicata      | Local   | Near streams/Wet areaas | Available    | Available | Antiviral, antibacterial, anti-inflammatory                  | Leaves          | -             |  | Self observed              |

|         |        |                           |       |                      |           |           |  |               |   |                 |               |
|---------|--------|---------------------------|-------|----------------------|-----------|-----------|--|---------------|---|-----------------|---------------|
| Herb    | Methi  | Trigonella foenum-graecum | Local | Sub-tropical         | Available | Available | Balance cholestrol, maintain liver and health                  | Seeds         | - | Traditional use | Self observed |
| Herb    | Dhania | Coriandrum sativum        | Local | Sub-tropical         | Available | Available | Digestion problems   | Leaves, Seeds | - | Traditional use | Self observed |
| Herb    | Bang   | Cannabis sativa           | Wild  | Sub-tropical         | Available | Available | Cure fever, dysentery sunstroke and give alertness to the body | Leaves        | - | -               | Self observed |
| Climber | Geloy  | Tinospora cardifolia      | Wild  | Tropical/dry forests | Available | Available | Boost immunity, reduces stress and anxiety                     | Stem          | - | Medicinal value | Self observed |

**Format 26: Timber Plants**

| 1          | 2                       | 3            | 4            |           | 5                        | 6             | 7   | 8                          |
|------------|-------------------------|--------------|--------------|-----------|--------------------------|---------------|---|----------------------------|
| Local Name | Scientific Name         | Habitat      | Local Status |           | Other Uses if any        | Associated TK | Other Details                                       | Community Knowledge Holder |
|            |                         |              | Past         | Present   |                          |               |   |                            |
| Chir       | <i>Pinus roxburghii</i> | Sub-tropical | Available    | Available | Resin/Firewood/Wastewood | Wild          | Wastewood used for plywood                          | Self Observed              |
| Shisham    | <i>Dalbergia sissoo</i> | Sub-tropical | Available    | Available | Furniture                | Wild          | Wood used for Furniture and agricultural equipments | Self Observed              |
| Kalasree   | <i>Albizia lebeck</i>   | Sub-tropical | Available    | Available | Furniture                | Wild          | Wood used for Furniture                             | Self Observed              |
| Tunu       | <i>Toona ciliata</i>    | Sub-tropical | Available    | Available | Furniture                | Wild          | Wood used for Furniture                             | Self Observed              |
| Toot       | <i>Morus serrata</i>    | Sub-tropical | Available    | Available | Furniture                | Wild          | Wood used for Furniture                             | Self Observed              |
| Draink     | <i>Melia azedarach</i>  | Sub-tropical | Available    | Available | Furniture                | Wild          | Wood used for Furniture                             | Self Observed              |
| Jamun      | <i>Syzygium cumini</i>  | Sub-tropical | Available    | Available | Furniture                | Local/Wild    | Wood used for Furniture                             | Self Observed              |





**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>Panther pardus</i>     | Terrestrial/Forest                  | Pale yellowish to dark golden with dark spots, Fur is generally soft  | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Billi        | <i>Felis bengalensis</i>  | Terrestrial/Forest                  | Body and limbs are marked with black spots of varying size and colour   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Jangli Billi | <i>Felis chaus</i>        | Terrestrial/Forest                  | Grey fur without spots, solitary nature and mostly used to prey small mammals and birds   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Ged          | <i>Canis aureus</i>       | Terrestrial/Forest                  | Less prominent forehead, shorter legs and often hunts alone   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Ged          | <i>Vulpes bengalensis</i> | Terrestrial/Forest                  | Medium size foxes with large bushy tail   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Bandar       | <i>Innuus rhesus</i>      | Arboreal/ Lives near habitation     | Mostly found near the communities and forest rich in wild fruits  | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Khadkanu     | <i>Lepus nigricollis</i>  | Terrestrial/ tropical               | Black naped hares due to the patch of black fur that runs along the nape of the neck. Back and face are brown with black hairs scattered throughout | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Newla        | <i>Herpestes edwardsi</i> | Terrestrial, tropical and temperate | Long bodies, short legs and highly developed anal scent glands. Their coats are thick and coarse is texture   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |

| 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     | Saece      | <i>Hystrix indica</i>        | Grassland, forest, scrub forest and mountain | Its hair is highly modified to form multiple layers of spines. Each quill is black or brown in color. Spines vary in length with the neck and shoulder | All seasons      | Available    | Available | Unknown      | Unknown       |                                      | -             | Locals                     |
| Mammals     | Chua       | <i>Rattus rattus</i>         | Temperate, Terrestrial and tropical          | Medium sized rat with relatively large ears and a tail that is nearly always longer than the body  | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Mammals     | Chamgadad  | <i>Chiroptera</i>            | Temperate, Terrestrial and tropical          | Bats are unmistakable and wings are modified forelimbs   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Reptiles    | Kerli      | <i>Hemidatylys frenatus</i>  | Wild   | Ectothermic, Quiniodirunal   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Reptiles    | Khoo       | <i>Varauns bangalensis</i>   | Wild   | Grey colour with black crossbars from chin to tail   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Reptiles    | Dhaleda    | <i>Chamaeleo zeylanicus</i>  | Wild   | Long tongue, feet, prehensile tail   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Chiri      | <i>Passer domesticus</i>     | Temperate/Terrestrial                        | House sparrow is a stout, stocky sparrow with shorter legs and brown backed with black streaks   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Kaa        | <i>Corvus brachyrhynchos</i> | Temperate/Terrestrial                        | Completely black with glossy and slightly iridescent look  | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Totaa      | <i>Psittacula krameri</i>    | Terrestrial/Freshwater                       | Medium sized bird have a green body with reddish beak. Tail is more than half of the body length   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |

| 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   |              |               |                                      |               |                            |
| Birds       | Ell          | <i>Gyps bengalensis</i>         | Temperate/Terrestrial               | Medium sized, bilateral symmetry, homoiothermic   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Lundhi       | <i>Haliaeetus leucocephalus</i> | Temperate                           | Endothermic, bilateral symmetry   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Kabutar      | <i>Columba livia</i>            | Forest                              | Dark bluish grey head, neck and chest, billateral symmetry  | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Mor          | <i>Pavo cristatus</i>           | Terrestrial, tropical and temperate | Long strong, greyish brown legs. Neck and brest are bright blue with golden feathers on their sides   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Jangli Murga | <i>Gallus gallus</i>            | Forest                              | Gold, red, brown, dark maroon, orange with a bit of mettalic green and grey. White and olive feathers | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Gatari       | <i>Acridotheres tristis</i>     | Terrestrial, tropical and temperate | Yellow bills, legs and eye skin. Brown with a white head  | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Bulbul       | <i>Pycnonotus leucogenys</i>    | Arboreal/Forest                     | Head, throat and crest are black and white with long tail   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Tarkhan      | <i>Melanerpes formicivorus</i>  | Forest                              | medium sized,black and white clown faced bird with red crown, glossy black and white head             | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Kala Titar   | <i>Melanoperdix niger</i>       | Wild                                | Small partridge with a thick bill, grey legs and dark brown iris                                      | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |



| 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   |              |               |                                      |               |                            |
| Birds       | Babbler      | <i>Turdoides striata</i>         | Wild                                | Short rounded wings with a weak flight. Brownish grey with a yellow bill                    | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Barn swallow | <i>Hirundo rustica</i>           | Terrestrial, tropical and temperate | Small birds, barn swallow, blue black above and pale below. Light brown throat and forehead | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Birds       | Pinja        | <i>Terpsiphone paradisi</i>      | Forest                              | Glossy black with a black brown and crest, black eyes                                       | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Amphibia    | Mendak       | <i>Rana tigrina</i>              | Wild                                | Solitary, nocturnal, snout pointed, tympanum distinct, skin with longitudinal folds         | Monsoon          | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Amphibia    | Jook         | <i>Hirudinea</i>                 | Wild                                | Parasitic or predatory, cylindrical with a fluid filled space                               | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Amphibia    | Sarkeed      | <i>Brachyura</i>                 | Aquatic                             | Crustacean covered with thick exoskeleton   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Insects     | Songla       | <i>Periplaneta americana</i>     | Near Habitation                     | Reddish brown with a pale brown or yellow band, jointed legs                                | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Insects     | Passfail     | <i>Coccinella septempunctata</i> | Terrestrial/Temperate               | Medium sized has orangishred elytra and black spots   | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Insects     | Trida        | <i>Orthoptera caelifera</i>      | Wild                                | Cylindrical body with elongated hindlegs and musculature adapted for jumping                | Monsoon          | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |

| 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   |              |               |                                      |               |                            |
| Insects     | Timba          | <i>Anisoptera</i>         | Wild    | Strong flying insects with body divided in three segments head, thorax and abdomen            | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |
| Insects     | Blister beetle | <i>Mylabris pustulata</i> | Wild    | Chewing and feeding mouth parts, polyphagus, well developed mouth, bright colour arrangements | All seasons      | Available    | Available | Unknown      | Unknown       | Non applicable                       | -             | Locals                     |

| Format 29: Flora |            |                            |                | URBAN BIODIVERSITY |                  |                              |
|------------------|------------|----------------------------|----------------|--------------------|------------------|------------------------------|
| 1                | 2          | 3                          | 4              | 5                  | 6                | 7                            |
| Sr. No.          | Local Name | Scientific Name            | Type of Plants | Habitat            | Flowering Season | Remarks (Rare / Common etc.) |
| 1                | Sree       | <i>Albizia lebbbeck</i>    | Broad Leave    | Sub-Tropical       | Mar-Apr          | Common                       |
| 2                | Mango      | <i>Mangifera indica</i>    | Broad Leave    | Sub-Tropical       | Mar-Apr          | Common                       |
| 3                | Fagada     | <i>Ficus palmata</i>       | Broad Leave    | Sub-Tropical       | Mar-Apr          | Common                       |
| 4                | Aru        | <i>Prunus persica</i>      | Broad Leave    | Sub-Tropical       | Feb-Mar          | Common                       |
| 5                | Flai       | <i>Acacia nilotica</i>     | Broad Leave    | Sub-Tropical       | Feb-Mar          | Common                       |
| 6                | Jamun      | <i>Syzzium cumini</i>      | Broad Leave    | Sub-Tropical       | Mar-Apr          | Common                       |
| 7                | Draink     | <i>Melia azedarach</i>     | Broad Leave    | Sub-Tropical       | Nov-Dec          | Common                       |
| 8                | Papita     | <i>Carica papaya</i>       | Broad Leave    | Sub-Tropical       | Feb-Mar          | Common                       |
| 9                | Simbal     | <i>Bombyx ceiba</i>        | Broad Leave    | Sub-Tropical       | Feb-Mar          | Common                       |
| 10               | Bael       | <i>Aegel marmelos</i>      | Broad Leave    | Sub-Tropical       | Feb-Mar          | Common                       |
| 11               | Safeda     | <i>Eucalyptus globulus</i> | Broad Leave    | Sub-Tropical       | Mar-Apr          | Common                       |
| 12               | Bana       | <i>Vitex negundu</i>       | Broad Leave    | Sub-Tropical       | Feb-Mar          | Common                       |

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

**Format 30: Fauna**

| 1       | 2             | 3                         | 4  | 5                                   | 6                               |
|---------|---------------|---------------------------|--|-------------------------------------|---------------------------------|
| Sr. No. | Local Name    | <i>Scientific Name</i>    | Type of Animals<br>(Mammals / Birds / Fish /<br>Insect etc.) | Habitat                             | Remarks (Rare /<br>Common etc.) |
| 1       | Leopard       | <i>Panthera pardus</i>    | Mammals  | Terrestrial                         | Common                          |
| 2       | Fish          | <i>Labeo rohita</i>       | Amphibia   | Aquatic                             | Common                          |
| 3       | Frog          | <i>Anura</i>              | Amphibia   | Aquatic                             | Common                          |
| 4       | Billi         | <i>Felis Bengalensis</i>  | Mammals  | Terrestrial                         | Common                          |
| 5       | Ged           | <i>Canis aureus</i>       | Mammals  | Terrestrial                         | Common                          |
| 6       | Ged           | <i>Vulpes bengalensis</i> | Mammals  | Terrestrial                         | Common                          |
| 7       | Bandar        | <i>Innuus rhesus</i>      | Mammals  | Arboreal/ Lives near habitation     | Common                          |
| 8       | Khadkanu      | <i>Lepus nigricollis</i>  | Mammals  | Terrestrial/ tropical               | Common                          |
| 9       | Newla         | <i>Herpestes edwarsi</i>  | Mammals  | Terrestrial, tropical and temperate | Common                          |
| 10      | Sae           | <i>Hystrix indica</i>     | Mammals  | Grassland and mountain              | Common                          |
| 11      | Chua          | <i>Rattus rattus</i>      | Mammals  | Temperate, Terrestrial and tropical | Common                          |
| 12      | Chamgadam     | <i>Chiroptera</i>         | Mammals  | Temperate, Terrestrial and tropical | Common                          |
| 13      | Cow           | <i>Bos taurus</i>         | Mammals  | Domestic                            | Common                          |
| 14      | Buffalo       | <i>Babalus bubalis</i>    | Mammals  | Domestic                            | Common                          |
| 15      | Goat          | <i>Capra aegagrus</i>     | Mammals  | Domestic                            | Common                          |
| 16      | Sheep         | <i>Ovis aries</i>         | Mammals  | Domestic                            | Common                          |
| 17      | Domestic Fowl | <i>Gallus gallus</i>      | Mammals  | Domestic                            | Common                          |

|    |              |                                 |          |                                     |        |
|----|--------------|---------------------------------|----------|-------------------------------------|--------|
| 18 | Horse        | <i>Equus caballus</i>           | Mammals  | Domestic                            | Common |
| 19 | Mule         | <i>Equus asinus</i>             | Mammals  | Domestic                            | Common |
| 20 | Dog          | <i>Canis lupus familiaris</i>   | Mammals  | Domestic                            | Common |
| 21 | Chakoor      | <i>Alectoris chukar</i>         | Birds    | Domestic                            | Common |
| 22 | Kerli        | <i>Hemidatylus frenatus</i>     | Reptiles | Wild                                | Common |
| 23 | Khoo         | <i>Varauns Bangalensis</i>      | Reptiles | Wild                                | Common |
| 24 | Dhaleda      | <i>Chamaeleo zeylanicus</i>     | Reptiles | Wild                                | Common |
| 25 | Chiri        | <i>Passer domesticus</i>        | Birds    | Temperate/Terrestrial               | Common |
| 26 | Kaa          | <i>Corvus brachyrhynchos</i>    | Birds    | Temperate/Terrestrial               | Common |
| 27 | Totaa        | <i>Psittacula krameri</i>       | Birds    | Terrestrial/Freshwater              | Common |
| 28 | Ell          | <i>Gyps bengalensis</i>         | Birds    | Temperate/Terrestrial               | Common |
| 29 | Lundhi       | <i>Haliaeetus leucocephalus</i> | Birds    | Temperate                           | Common |
| 30 | Kabutar      | <i>Columba livia</i>            | Birds    | Arboreal                            | Common |
| 31 | Mor          | <i>Pavo cristatus</i>           | Birds    | Terrestrial, tropical and temperate | Common |
| 32 | Gatari       | <i>Acridotheres tristis</i>     | Birds    | Terrestrial, tropical and temperate | Common |
| 33 | Bulbul       | <i>Pycnonotus leucogenys</i>    | Birds    | Arboreal                            | Common |
| 34 | Tarkhan      | <i>Melanerpes formicivorus</i>  | Birds    | Arboreal                            | Common |
| 35 | Kala Titar   | <i>Melanoperdix niger</i>       | Birds    | Wild                                | Common |
| 36 | Babbler      | <i>Turdoides striata</i>        | Birds    | Wild                                | Common |
| 37 | Barn swallow | <i>Hirundo rustica</i>          | Birds    | Terrestrial, tropical and temperate | Common |
| 38 | Pinja        | <i>Terpsiphone Paradisi</i>     | Birds    | Wild                                | Common |
| 39 | Jook         | <i>Hirudinea</i>                | Amphibia | Wild                                | Common |
| 40 | Sarkeed      | <i>Brachyura</i>                | Amphibia | Aquatic                             | Common |

|    |                |                                  |         |                       |        |
|----|----------------|----------------------------------|---------|-----------------------|--------|
| 41 | Songla         | <i>Periplaneta americana</i>     | Insects | Near Habitation       | Common |
| 42 | Passfail       | <i>Coccinella septumpunctata</i> | Insects | Terrestrial/Temperate | Common |
| 43 | Trida          | <i>Orthoptera caelifera</i>      | Insects | Wild                  | Common |
| 44 | Timba          | <i>Anisoptera</i>                | Insects | Wild                  | Common |
| 45 | Blister beetle | <i>Mylabris pustulata</i>        | Insects | Wild                  | Common |
| 46 | Gilhari        | <i>Funabulus Palmarum</i>        | Rodent  | Wild                  | Common |

**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**

| <b>1</b>       | <b>2</b>                               | <b>3</b>       |
|----------------|--|----------------|
| <b>Sr. No.</b> | <b>Information of local importance</b> | <b>Remarks</b> |
| Nil            | Nil                                    | Nil            |

*End of Part II*