

## People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti : TREEN MEYARI

Taluk: PANTHAL

District : REASI

State: J&K

Geographical Area of the Panchayat Samiti: 1390 HECT.

Population under the Panchayat Samiti: Total : 3000 (as per 2011 census)

Male: 1800      Female : 1200

Habitat and Topography: Hilly, Kandi Area

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 09-03-2019

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: JARNAIL SINGH

Age: 50

Gender: Male

Address: R/O TREENMEYARI

Area of specialization: Sarpanch

2) Name: SHOBHA RANI

Age: 35

Gender: FEMALE

Address: R/O KANDYAR

Area of specialization:

3)Name: SHAKUNTLA DEVI w/o Surinder Singh

Age: 43

Gender: FEMALE

Address: R/O TREENMEYARI

Area of specialization: Panch

4)Name: DEV RAJ

Age: 38

Gender: MALE

Address: R/O TREENMEYARI

Area of specialization: Panch

5)Name: JARNAIL SINGH

Age: 47

Gender: MALE

Address: R/O TREENMEYARI

Area of specialization: Panch

6)Name: SHIV KUMAR (SC Member)

Age: 43

Gender: Male

Address: R/O KANDYAR

Area of specialization:

7)Name: DILAWAR SINGH

Age: 37

Gender: Male

Address: R/O JAMMU

Area of specialization:

**Annexure-2****List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village**

1) Name : Munshi Ram

Age: 72

Gender: Male

Address: Sira

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

2) Name: Naseeb Chand

Age: 56

Gender: Male

Address: Tareen

Area of specialization: Medical

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: Baldev Singh s/o Isher Singh

Age: 70

Gender: Male

Address: Tareen

Area of specialization: Farmer

2) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

**Annexure 4****Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR**

1) Contact Person: Shameem

Name and Address: Treen

2) Contact Person: Baldev Singh

Name and Address: Treen

3) Contact Person: Jarnail Singh

Name and Address: Treen

4) Contact Person: NIL

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> |
|-------------|--|---|--|---|---|
| 1           | Horticulture Deptt.  | Citrus, Mango   | Feb-20   | 20 Per Plant                            | Panchayat   |
|             |  |   |  | 50 Per Mango Plant                      |   |
|             |  |   |  |   |   |
|             |  |   |  |   |   |
|             |  |   |  |   |   |
|             |  |   |  |   |   |

**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 | Local Status |         | Special features | Cropping season | Uses | Associated TK | Other details | Source of Seeds/Plants | Community/ Knowledge Holder |
|      |                           |            |         |                     |                    | Past         | Present |                  |                 |      |               |               |                        |                             |
| 1    | <i>Triticum aestivum</i>  | Wheat      |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |
| 2    | <i>Zea mays</i>           | Maize      |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |
| 3    | <i>Pennisetum glaucum</i> | Bajra      |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |
| 4    | <i>Vigna radiata</i>      | Mash       |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |
| 5    | <i>Vigna unguiculata</i>  | Rongi      |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |
| 6    | <i>Cicer arietinum</i>    | Channa     |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |
| 7    | <i>Brassica spp.</i>      | Sarson     |         |                     |                    |              | Good    |                  |                 |      |               |               |                        |                             |

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 |                          |               |           |               |                              |
|       |                           | Chatalla   |                     |              | Good    |                          |               |           |               |                              |
|       | <i>Avena fatua</i>        | Javi       |                     |              | Good    |                          |               |           |               |                              |
|       | <i>Pennisetum glaucum</i> | Bajra      |                     |              | Good    |                          |               |           |               |                              |
|       |                           | Chapri     |                     |              | Good    |                          |               |           |               |                              |
|       | <i>Zea mays</i>           | Makki      |                     |              | Good    |                          |               |           |               |                              |
|       |                           |            |                     |              |         |                          |               |           |               |                              |
|       |                           |            |                     |              |         |                          |               |           |               |                              |
|       |                           |            |                     |              |         |                          |               |           |               |                              |

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 |             |                    |               |                           |                              |
|       |                 | Sitta        |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Maina        |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Kanah        |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Bathua       |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Loun         |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Jungli Javi  |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Matri        |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 | Jangli Palak |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 |              |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 |              |               |        |                     |              |         |             |                    |               |                           |                              |
|       |                 |              |               |        |                     |              |         |             |                    |               |                           |                              |

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



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

Other details may include possible reasons for insects/animal attack

**Format 6: Markets for Domesticated animals**

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

Sale and Purchase of animals at Local / Personal

**Note: [1] (D) – day; (M) – month;**  
**[2] Types of animals may include:** Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

### Format 7: Peoplescape

| 1                      | 2                             | 3               | 4                   | 5  | 6                              | 7                             | 8            | 9                | 10                    | 11         |
|------------------------|-------------------------------|-----------------|---------------------|--|--------------------------------|-------------------------------|--------------|------------------|-----------------------|------------|
| Community & Population | Families & Major occupation   | Sub- occupation | Depending Landscape | Major resources accessed and seasons of access | Landscape management practices | Resource management practices | Cast / tribe | Social condition | Nature of inhabitants | No. of HHs |
| Hinduism               | Farmer, Govt and Private Jobs |                 |                     |  |                                |                               |              | Average          |                       | 500        |
|                        |                               |                 |                     |  |                                |                               |              |                  |                       |            |
|                        |                               |                 |                     |  |                                |                               |              |                  |                       |            |
|                        |                               |                 |                     |  |                                |                               |              |                  |                       |            |
|                        |                               |                 |                     |  |                                |                               |              |                  |                       |            |

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

**Format 8: Landscape**

| 1                    |      |             | 2                | 3                         | 4         | 5             | 6             | 7           | 8                    | 9            | 10            | 11            | 12                 |
|----------------------|------|-------------|------------------|---------------------------|-----------|---------------|---------------|-------------|----------------------|--------------|---------------|---------------|--------------------|
| Major Landscapes     |      |             | Sub - Landscapes | Features and approx. area | Ownership | General flora | General fauna | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Agricultural land    | Pond | Fallow land |                  |                           |           |               |               |             |                      |              |               |               |                    |
| Hilly and Kandi area |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |
|                      |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |
|                      |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |
|                      |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |
|                      |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |
|                      |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |
|                      |      |             |                  |                           |           |               |               |             |                      |              |               |               |                    |

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

### Format 9: Waterscape

| 1                       | 2        | 3                        | 4         | 5             | 6             | 7          | 8           | 9                    | 10           | 11            | 12            | 13                 |
|-------------------------|----------|--------------------------|-----------|---------------|---------------|------------|-------------|----------------------|--------------|---------------|---------------|--------------------|
| Waterscape element type | Sub-type | Features and approx area | Ownership | General flora | General fauna | Major uses | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Ponds                   |          | Katra to Kothi           |           |               |               |            |             | Nil                  |              |               |               |                    |
| Stream                  |          |                          |           |               |               |            |             | Private              |              |               |               |                    |
| Canal                   |          | 2 Bouri                  |           |               |               |            |             | Public               |              |               |               |                    |
| Bowli                   |          |                          |           |               |               |            |             |                      |              |               |               |                    |
|                         |          |                          |           |               |               |            |             |                      |              |               |               |                    |
|                         |          |                          |           |               |               |            |             |                      |              |               |               |                    |
|                         |          |                          |           |               |               |            |             |                      |              |               |               |                    |
|                         |          |                          |           |               |               |            |             |                      |              |               |               |                    |
|                         |          |                          |           |               |               |            |             |                      |              |               |               |                    |

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  | 12                               | 13                             |
|--------|------------|------------|-----------------------------|--|-----------------------|--------------|---------|-----------------------------------|----------------------------------|----------------------------|---|----------------------------------|--------------------------------|
| S. No. | Plant Type | Local Name | Scientific Name             | Variety  | Landscape/<br>Habitat | Local status |         | Source of Seeds/<br>Plants        | Season of<br>Fruiting            | Uses (usages)              | Associated TK                                   | Other details<br>market/ own use | Community/<br>knowledge holder |
|        |            |            |                             |  |                       | Past         | Present |                                   |                                  |                            |   |                                  |                                |
| 1      | Woody Tree | Amb        | <i>Mangifera indica</i>     | Local, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasi. | Sub-tropical          | Good         | Good    | Seedling trees, grafted plants.   | March to August                  | Sucking, table, processing | Record available in old books.                  | Own uses and sold in market      | Popular in local population.   |
| 2      | Woody Tree | Lychee     | <i>Litchi chinensis</i>     | Dehradun, Calcutti, Seedless, Rose Scented   | Sub-tropical          | Good         | Good    | Layered plants.                   | March to July                    | Table and processing       | Introduced by traders and domesticated locally. | Own uses and sold in market      | Popular in local population.   |
| 3      | Woody Tree | Amrood     | <i>Pidium guajava</i>       | Local, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink   | Sub-tropical          | Good         | Good    | Seedling trees, grafted/ layered. | March to August, Dec. To January | Table and processing.      | Introduced by traders and domesticated locally. | Own uses and sold in market      | Popular in local population.   |
| 4      | Climber    | Angoor     | <i>Vitis vinifera</i>       | Local, Perlet, Beauty Seedless   | Sub-tropical          | Good         | Good    | Cuttings                          | Feb. To June                     | Table and processing.      | Introduced by traders and domesticated locally. | Own uses and sold in market      | Popular in local population.   |
| 5      | Woody Tree | Amla       | <i>Embelica officinalis</i> | Local, Banarsi, Neelam, NA 7.  | Sub-tropical          | Good         | Good    | Seedling trees, grafted plants.   | March to Nov.                    | Processing                 | Record available in old books.                  | Own uses and sold in market      | Popular in local population.   |
| 6      | Woody Tree | Mosammi    | <i>Citrus sinensis</i>      | Mosambi, Jaffa, Red Blood  | Sub-tropical          | Good         | Good    | Grafted Plants                    | March to Jan.                    | Table and processing.      | Record available in old books.                  | Own uses and sold in market      | Popular in local population.   |

|    |            |         |                            |                               |              |      |      |                              |                |                            |                               |                             |                              |
|----|------------|---------|----------------------------|-------------------------------|--------------|------|------|------------------------------|----------------|----------------------------|-------------------------------|-----------------------------|------------------------------|
| 7  | Woody Tree | Sangtra | <i>Citrus reticulata</i>   | Kinnow, Sangtra               | Sub-tropical | Good | Good | Grafted Plants               | March to Jan.  | Table and processing.      | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 8  | Woody Tree | Nimboo  | <i>Citrus aurantifolia</i> | Local, Kagzi, Italian, Eureka | Sub-tropical | Good | Good | Grafted Plants               | March to Oct.  | Processing.                | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 9  | Woody Tree | Galgal  | <i>Citrus limon</i>        | Local                         | Sub-tropical | Good | Good | Seedling andn Grafted Plants | March to Sept. | Processing.                | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 10 | Woody Tree | Kimb    | <i>Citrus medica</i>       | Local                         | Sub-tropical | Good | Good | Seedling trees               | March to Sept. | Processing.                | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 11 | Woody Tree | Jamiri  | <i>Citrus jambhiri</i>     | Local                         | Sub-tropical | Good | Good | Seedling trees               | March to Oct.  | Processing, root stock     | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 12 | Woody Tree | Mithoo  | <i>Citrus limetoides</i>   | Local                         | Sub-tropical | Good | Good | Seedling trees               | March to Sept. | Table and processing.      | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 13 | Woody Tree | Kumquat | <i>Citrus floribunda</i>   | Local                         | Sub-tropical | Good | Good | Grafted Plants               | March to Jan.. | Processing.                | Record vailable in old books. | Own uses and sold in market | Popular in local population. |
| 14 | Woody Tree | Narangi | <i>Citrus tangerina</i>    | Local                         | Sub-tropical | Good | Good | Grafted Plants               | March to Dec.  | Ornamental and processing. | Record vailable in old books. | Own uses                    | Popular in local population. |
| 15 | Woody Tree | Ber     | <i>Zizyphus mauritiana</i> | Umran, Katha, Seb             | Sub-tropical | Good | Good | Grafted Plants               | March to Nov.  | Table purposes             | Record vailable in old books. | Own uses and sold in market | Popular in local population. |

|    |            |             |                             |                          |              |      |      |                        |               |                               |   |                             |                              |
|----|------------|-------------|-----------------------------|--------------------------|--------------|------|------|------------------------|---------------|-------------------------------|---|-----------------------------|------------------------------|
| 16 | Woody Tree | Phowari Ber | <i>Zizyphus jujuba</i>      | Local                    | Sub-tropical | Good | Good | Seedlings              | March to Nov. | Table purposes                | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 17 | Bush       | Phalsa      | <i>Grewia subinaequalis</i> | Local                    | Sub-tropical | Good | Good | Seedlings and Cuttings | March to July | Processing                    | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 18 | Woody Tree | Jamun       | <i>Syzygium cumini</i>      | Local                    | Sub-tropical | Good | Good | Seedlings and Grafted  | March to July | Processing                    | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 19 | Woody Tree | Anar        | <i>Punica granatum</i>      | Local, Ganesh, Kandhari, | Sub-tropical | Good | Good | Cuttings               | March to July | Table purposes and processing | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 20 | Woody Tree | Lasooda     | <i>Cordia myxa</i>          | Local                    | Sub-tropical | Good | Good | Seedlings              | March to June | Processing purposes           | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 21 | Bush       | Gerna       | <i>Carissa carandas</i>     | Local                    | Sub-tropical | Good | Good | Seedlings              | March to July | Table purposes and processing | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 22 | Woody Tree | Bill        | <i>Aegle marmalos</i>       | Local                    | Sub-tropical | Good | Good | Seedlings              | March to July | Table purposes and processing | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 23 | Woody Tree | Seb         | <i>Malus domestica</i>      | Summer apple             | Sub-tropical | ...  | Good | Grafted Plants         | Feb. to June  | Table purposes and processing | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |
| 24 | Woody Tree | Nakh        | <i>Pyrus communis</i>       | Pathar Nakh              | Sub-tropical | Good | Good | Grafted Plants         | Feb. to June  | Table purposes and processing | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |

|    |            |            |                                 |                             |              |      |      |                       |               |                                    |   |                             |                              |
|----|------------|------------|---------------------------------|-----------------------------|--------------|------|------|-----------------------|---------------|------------------------------------|---|-----------------------------|------------------------------|
| 25 | Woody Tree | Aru        | <i>Prunus persica</i>           | Local, Sun Red, Florida Sun | Sub-tropical | Good | Good | Grafted Plants        | Feb. to June  | Table purposes and processing      | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |
| 26 | Woody Tree | Aloocha    | <i>Prunus saliciana</i>         | Kala Amritsari, Alucha      | Sub-tropical | Good | Good | Grafted Plants        | Feb. to June  | Table purposes and processing      | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |
| 27 | Herb       | Strawberry | <i>Fragaria ananassa</i>        | Chandler                    | Sub-tropical | Good | Good | Plant Runners         | March to May  | Table purposes and processing      | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |
| 28 | Woody Tree | Shahtoot   | <i>Morus alba</i>               | Local, China                | Sub-tropical | Good | Good | Cuttings              | March to July | Table purposes, rearing Silkworms. | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |
| 29 | Woody Tree | Fig        | <i>Ficus carica</i>             | Local                       | Sub-tropical | Good | Good | Seedlings             | March to July | Table purposes.                    | Introduced by traders and domesticated locally. | Own uses and sold in market | Popular in local population. |
| 30 | Woody Tree | Dew        | <i>Artocarpus lakoocha</i>      | Local                       | Sub-tropical | Good | Good | Seedlings             | March to July | Pickle Purposes.                   | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 31 | Woody Tree | Jackfruit  | <i>Artocarpus heterophyllus</i> | Local                       | Sub-tropical | Good | Good | Seedlings             | March to July | Pickle Purposes.                   | Record available in old books.                  | Own uses and sold in market | Popular in local population. |
| 32 | Soft Tree  | Papita     | <i>Carica papaya</i>            | Local Red Lady, Pusa Nana   | Sub-tropical | Good | Good | Seedlings and hybrids | March to Nov. | Table purposes.                    | Record available in old books.                  | Own uses and sold in market | Popular in local population. |

**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<br>TK | Other details<br>market/own<br>use | Community/<br>Know.<br>Holders |
|            |            |                             |         |                       |                          | Past         | Present  |              |           |                  |                                    |                                |
| Holy Basil | Tulsi      | <i>Ocimum tenuiflorum</i>   |         |                       |                          |              | Abundant | Fever        | Leaves    |                  |                                    |                                |
| Aloe vera  | Aloe vera  | <i>Aloe vera</i>            |         |                       |                          |              | Abundant | Skin         | Leaves    |                  |                                    |                                |
|            | Amla       | <i>Phyllanthus emblica</i>  |         |                       |                          |              | Abundant | Skin         | Fruit     |                  |                                    |                                |
|            | Neem       | <i>Azadirachta indica</i>   |         |                       |                          |              | Abundant | Pain         | Leaves    |                  |                                    |                                |
|            | Bainkad    | <i>Ficus benghalensis</i>   |         |                       |                          |              | Abundant | Pain         | Leaves    |                  |                                    |                                |
|            | Bana       |                             |         |                       |                          |              | Abundant | Pain         | Leaves    |                  |                                    |                                |
|            | Swali      |                             |         |                       |                          |              | Abundant | Sugar        | Bark      |                  |                                    |                                |
|            | Jamun      | <i>Syzygium cumini</i>      |         |                       |                          |              | Abundant | Ich          | Leaves    |                  |                                    |                                |
|            | Pargandi   |                             |         |                       |                          |              | Abundant | Ich          | Flower    |                  |                                    |                                |
|            | Taanyee    |                             |         |                       |                          |              | Abundant | Honey        | Fruit     |                  |                                    |                                |
|            | Harad      | <i>Terminalia chebula</i>   |         |                       |                          |              | Abundant | Digestion    | Fruit     |                  |                                    |                                |
|            | Baheda     | <i>Terminalia bellirica</i> |         |                       |                          |              |          |              |           |                  |                                    |                                |
|            |            |                             |         |                       |                          |              |          |              |           |                  |                                    |                                |
|            |            |                             |         |                       |                          |              |          |              |           |                  |                                    |                                |
|            |            |                             |         |                       |                          |              |          |              |           |                  |                                    |                                |
|            |            |                             |         |                       |                          |              |          |              |           |                  |                                    |                                |
|            |            |                             |         |                       |                          |              |          |              |           |                  |                                    |                                |

Note: Uses: Food/ Veterinary Medicine,/ Human Medicine (Sub-divisions like for children, women etc),/ Agricultural Purpose (Bio-pesticide)  
Other details: Propagation methods, / Harvesting period,/ Cultivated or collected from wild or both,/ Perennial/annual/seasonal

**Format 13: Ornamental Plants/ Trees/Climbers etc.**

| 1               | 2            | 3                                   | 4       | 5                     | 6                         | 7                          | 8                                 | 9                             | 10  |
|-----------------|--------------|-------------------------------------|---------|-----------------------|---------------------------|----------------------------|-----------------------------------|-------------------------------|---|
| Plant type      | Local Name   | Scientific Name                     | Variety | Source of Plant/Seeds | Commercial/Non-commercial | Uses                       | Associated Tk                     | Other Details                 | Community/ Knowledge Holder               |
| Ornamental Tree | Kachnar      | <i>Bauhinia variegata</i>           |         | Nurseries/<br>Forest  | Non commercial            | Ornamental/<br>Landscaping | Used for Dysentery,<br>Diarrhoea  | Pink flowers in<br>Summer     | Floriculturists/ Nurserymen/<br>Gardeners |
| Bushes/         | Nerium       | <i>Nerium oleander</i>              |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Epiplepsy, cancer                 | Avenue plantation             | Floriculturists/ Nurserymen/<br>Gardeners |
| Bushes/         | Kaner        | <i>Thevetia peruviana</i>           |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Fevers                            | Flower most of the<br>year    | Floriculturists/ Nurserymen/<br>Gardeners |
| Bushes/         | Bottle Brush | <i>Callistemmon spp.</i>            |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Therapeutic uses                  | Foilage and flowers           | Floriculturists/ Nurserymen/<br>Gardeners |
| Bushes/         | Bogan Bael   | <i>Aegle marmelos &amp; hybrids</i> |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Antidiabetic,<br>antiinflammatory | Multicoloured<br>flowers      | Floriculturists/ Nurserymen/<br>Gardeners |
| Bushes/         | Hibiscus     | <i>Hibiscus rosasinensis</i>        |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Used in fever,<br>constipation    | Flower throughout<br>the year | Floriculturists/ Nurserymen/<br>Gardeners |
| Bushes/         | Motia        | <i>Jasminum sambac</i>              |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Used in Hepatitis,<br>dysentery   | Flower throughout<br>the year | Floriculturists/ Nurserymen/<br>Gardeners |
| Herbs Seasonals | Guldopahar   | <i>Portulaca grandiflora</i>        |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Antioxidant,<br>antibacterial     | Summer annual<br>flower       | Floriculturists/ Nurserymen/<br>Gardeners |
| Pot Plants      | Agave        | <i>Agave angustifolia</i>           |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Traditional medicines             | Succulent                     | Floriculturists/ Nurserymen/<br>Gardeners |
| Pot Plants      | Thur         | <i>Cactus spp</i>                   |         | Nurseries             | Non commercial            | Ornamental/<br>Landscaping | Folk medicines                    | Thorny succulents             | Floriculturists/ Nurserymen/<br>Gardeners |

**Format 14: Timber Plants / Trees**

| 1          | 2                               | 3               | 4       | 5            |         | 6                  | 7                  | 8             | 9             | 10                      |
|------------|---------------------------------|-----------------|---------|--------------|---------|--------------------|--------------------|---------------|---------------|-------------------------|
| Plant Type | Local Name                      | Scientific Name | Habitat | Local status |         | Wild/ home- garden | Other uses (multi) | Associated TK | Other details | Community/ Know. holder |
|            |                                 |                 |         | Past         | Present |                    |                    |               |               |                         |
| Sree       |                                 |                 | Wild    |              | Good    |                    |                    |               |               |                         |
| Lasuni     |                                 |                 | Wild    |              |         |                    |                    |               |               |                         |
| Jamun      | <i>Syzygium cumini</i>          |                 | Wild    |              |         |                    |                    |               |               |                         |
| Tunu       |                                 |                 | Wild    |              |         |                    |                    |               |               |                         |
| Khair      |                                 |                 | Wild    |              |         |                    |                    |               |               |                         |
| Tali       | <i>Erythrophleum suaveolens</i> |                 | Wild    |              |         |                    |                    |               |               |                         |
| Farlaye    |                                 |                 | Wild    |              |         |                    |                    |               |               |                         |
| Safeda     | <i>Eucalyptus spp.</i>          |                 | Wild    |              |         |                    |                    |               |               |                         |
| Sagwan     | <i>Tectona grandis</i>          |                 | Wild    |              |         |                    |                    |               |               |                         |
| Aam        | <i>Mangifera indica</i>         |                 | Wild    |              |         |                    |                    |               |               |                         |
| Dhamman    | <i>Ptyas mucosa</i>             |                 | Wild    |              |         |                    |                    |               |               |                         |
| Draink     |                                 |                 | Wild    |              |         |                    |                    |               |               |                         |
|            |                                 |                 | Wild    |              |         |                    |                    |               |               |                         |



### 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       |                      |               |                    |   |                         |
| Sheep       | Bhed       | <i>Ovis aries</i>  | Local                | small size, rough coat       | Flock rearing     | Least concern | Least concern | mutton, wool, manure | Yes           | Yes                | Bones, skin and gutt                          | Locals and nomads       |
| Sheep       | Bhed       | <i>Ovis aries</i>  | Rambouillet cross    | large size, fine wool        | do                | do            | do            | do                   | do            | do                 | do  | do                      |
| Goat        | Bakri      | <i>Capra hirus</i> | Local                | small size, low body weight  | Flock rearing     | Least concern | Least concern | Chevon, hair, manure | do            | do                 | do  | do                      |
| Goat        | Bakri      | <i>Capra hirus</i> | Beetal               | large size, high body weight | do                | do            | do            | do                   | do            | do                 | do  | do                      |
| Goat        | Bakri      | <i>Capra hirus</i> | Kaghani              | do                           | do                | do            | do            | do                   | do            | do                 | do  | do                      |
| Cow         | Gau        | <i>Bos taurus</i>  |                      |                              |                   |               |               |                      |               |                    |   |                         |
|             |            |                    |                      |                              |                   |               |               |                      |               |                    |   |                         |
|             |            |                    |                      |                              |                   |               |               |                      |               |                    |   |                         |

Uses include milk, meat, skin, fur and etc

**Format 16: Culture Fisheries**

| 1                  | 2           | 3                        | 4                          | 5  | 6                                | 7            |         | 8         | 9                | 10                    | 11   | 12                         |
|--------------------|-------------|--------------------------|----------------------------|--|----------------------------------|--------------|---------|-----------|------------------|-----------------------|--|----------------------------|
| Fish Type          | Local Name  | Scientific Name          | Variety                    | Features   | Waterscape<br>(pond/bheri/talao) | Local status |         | Uses      | Associated<br>TK | Commercial<br>rearing | Other details  | Community Know.<br>Holders |
|                    |             |                          |                            |  |                                  | Past         | Present |           |                  |                       |  |                            |
| Indian Major Carps | Catla       | <i>Catla catla</i>       | IMC                        | Catla is a fish with large and broad head, a large protruding lower jaw and upturned mouth. It has large, greyish scales on dorsal side and whitish on belly.  | Ponds                            | Plenty       | Plenty  | Food Fish | -                | Yes                   | Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed. | Fish Farming Community     |
| Indian Major Carps | Rohu        | <i>Labeo rohita</i>      | IMC                        | Herbivorous, its dorsal profile more convex than ventral, body with scales, head without scales, column to bottom feeder, mouth small and inferior with fringed lower lip. Cultured mostly in plain areas. | Ponds                            | Plenty       | Plenty  | Food Fish | -                | Yes                   | Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed. | Fish Farming Community     |
| Indian Major Carps | Mrigal      | <i>Cirrhinus mrigala</i> | IMC                        | Omnivorous, bilaterally symmetrical and streamlined, head and snout devoid of scales, mouth inferior, barbels absent, cultured mostly in plain areas.  | Ponds                            | Plenty       | Plenty  | Food Fish | -                | Yes                   | Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed. | Fish Farming Community     |
| Exotic Carps       | Common Carp | <i>Cyprinus carpio</i>   | Exotic Carp/<br>Scale Carp | Omnivorous, body laterally compressed two pair of barbels, dorsal fin long, protrudible mouth and lips are extended like a short tube for sucking up food, hardy in nature.                                | Ponds                            | Plenty       | Plenty  | Food Fish | -                | Yes                   | Caught by drag/ cast net. Breeds during monsoon. Accepts natural as well as artificial feed. | Fish Farming Community     |

Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc



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

| 1          | 2          | 3                            | 4      | 5             | 6            |           | 7                    | 8              | 9                       | 10            | 11                         |
|------------|------------|------------------------------|--------|---------------|--------------|-----------|----------------------|----------------|-------------------------|---------------|----------------------------|
| Plant Type | Local Name | Scientific Name              | Habit  | Habitat       | Local status |           | Commercial / own use | Part collected | Associated TK           | Other details | Community Knowledge Holder |
|            |            |                              |        |               | Past         | Present   |                      |                |                         |               |                            |
| Tree       | Khair      | <i>Accacia catechu</i>       | Tree   | Sub -tropical | Available    | Available | Own Use              | Fruits         | Used in Gastro Problems | Medicinal Use | Self observed              |
| Tree       | Bour       | <i>Ficus benghalensis</i>    | Tree   | Sub -tropical | Available    | Available | Own Use              | Fruits         |                         |               | Self observed              |
| Tree       | Chilla     | <i>Casaria tomentosa</i>     | Tree   | Sub -tropical | Available    | Available | Own Use              | leaf and wood  |                         |               | Self observed              |
| Tree       | Amla       | <i>Phyllanthus emblica</i>   | Tree   | Sub -tropical | Available    | Available | Own Use              | wood           |                         |               | Self observed              |
| Tree       | Koakoa     | <i>Flacourita indica</i>     | Tree   | Sub -tropical | Available    | Available | Own Use              | Fruits         |                         |               | Self observed              |
| Tree       | Daronkal   | <i>Murraya koenigii</i>      | Tree   | Sub -tropical | Available    | Available | Own Use              | leaves         |                         |               | Self observed              |
| Tree       | Dudaya     | <i>Wrightia parvifolia</i>   | Tree   | Sub -tropical | Available    | Available | Own Use              | leaves         |                         |               | Self observed              |
| Tree       | Garna      | <i>Carissa spinarum</i>      | Shrubs | Sub -tropical | Available    | Available | Own Use              | Fruits         |                         |               | Self observed              |
| Tree       | Jamun      | <i>Syzygium cumini</i>       | Tree   | Sub -tropical | Available    | Available | Own Use              | fruits/wood    | Used for Diabetes       |               | Self observed              |
| Tree       | Kaam       | <i>Mitragyna parvifolia</i>  | Tree   | Sub -tropical | Available    | Available | Own Use              | leaf and wood  |                         |               | Self observed              |
| Tree       | Kambal     | <i>Lannea coromandlica</i>   | Tree   | Sub -tropical | Available    | Available | Own Use              | leaf and wood  |                         |               | Self observed              |
| Tree       | Kamla      | <i>Mallotus philippensis</i> | Tree   | Sub -tropical | Available    | Available | Own Use              | leaf and wood  |                         |               | Self observed              |
| Tree       | Khair      | <i>Acacia catechu</i>        | Tree   | Sub -tropical | Available    | Available | Own Use              | leaf and wood  |                         |               | Self observed              |

|      |              |                                  |        |               |           |           |         |                 |  |  |               |
|------|--------------|----------------------------------|--------|---------------|-----------|-----------|---------|-----------------|--|--|---------------|
| Tree | Kodh         | <i>Aloe barbadence</i>           | Tree   | Sub -tropical | Available | Available | Own Use | leaf and wood   |  |  | Self observed |
| Tree | Krongal      | <i>Cassia fistula</i>            | Tree   | Sub -tropical | Available | Available | Own Use | leaf and wood   |  |  | Self observed |
| Tree | Lucenia      | <i>Leucaenia spp</i>             | Tree   | Sub -tropical | Available | Available | Own Use | leaf and wood   |  |  | Self observed |
| Tree | Plah         | <i>Butea monosperma</i>          | Tree   | Sub -tropical | Available | Available | Own Use | leaf and wood   |  |  | Self observed |
| Tree | Phulai       | <i>Acacia modesta</i>            | Tree   | Sub -tropical | Available | Available | Own Use | leaf and wood   |  |  | Self observed |
| Tree | panasara     | <i>Wendlandia spp</i>            | Tree   | Sub -tropical | Available | Available | Own Use | leaf and wood   |  |  | Self observed |
| Tree | Reetha       | <i>Sapindus mukortossi</i>       | Tree   | Sub -tropical | Available | Available | Own Use | Fruits and wood |  |  | Self observed |
| Tree | Santa        | <i>Dodonaee viscosa</i>          | Shurbs | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Sree         | <i>Albizia spp</i>               | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Simbal       | <i>Bombax ceiba</i>              | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Talli        | <i>Dalbergia sissoo</i>          | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Thub/Dudhruk | <i>Erythrina spp.</i>            | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Balungar     | <i>Bauhinia vahili</i>           | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Chuindi      | <i>Xylosma lingifolium</i>       | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | doss/sanam   | <i>Colebrookea oppositifolia</i> | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Khini        | <i>Ficus hispida</i>             | Tree   | Sub -tropical | Available | Available | Own Use | Wood            |  |  | Self observed |
| Tree | Kral         | <i>Bauhinia vahili</i>           | Tree   | Sub -tropical | Available | Available | Own Use | Leaves/Flowers  |  |  | Self observed |

|      |           |                             |      |               |           |           |         |             |  |  |               |
|------|-----------|-----------------------------|------|---------------|-----------|-----------|---------|-------------|--|--|---------------|
| Tree | Lana      | <i>Ficus hispida</i>        | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Dhaman    | <i>Grewia optiva</i>        | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Charmod   | <i>Ehretia spp.</i>         | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Badh      | <i>Ficus religiosa</i>      | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Behra     | <i>Terminilia bellirica</i> | Tree | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Bilan     | <i>Aegle marmelos</i>       | Tree | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Gandila   | <i>Nerium oleander</i>      | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Gulmorh   | <i>Delonix regia</i>        | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Oanni     | <i>Lyonia ovalifia</i>      | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Rumble    | <i>Ficus recemosa</i>       | Tree | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Draink    | <i>Melia azadirach</i>      | Tree | Sub -tropical | Available | Available | Own Use | Leaves/Wood |  |  | Self observed |
| Tree | Harad     | <i>Terminalia chebula</i>   | Tree | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Amb       | <i>Mangifera indica</i>     | Tree | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Soyanjana | <i>Moringa oleifera</i>     | Tree | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Tunnu     | <i>Toona ciliata</i>        | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Neem      | <i>Azadirachta indica</i>   | Tree | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Plakh     | <i>Ficus virens</i>         | Tree | Sub -tropical | Available | Available | Own Use | Leaves/Wood |  |  | Self observed |

|      |             |                                |        |               |           |           |         |             |  |  |               |
|------|-------------|--------------------------------|--------|---------------|-----------|-----------|---------|-------------|--|--|---------------|
| Tree | Rehn        | <i>Quercus lucotricophora</i>  | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Chamar sama | <i>Holoptelea integrifolia</i> | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Lasura      | <i>Cordia myxa</i>             | Tree   | Sub -tropical | Available | Available | Own Use | Fruits/Wood |  |  | Self observed |
| Tree | Kassod      | <i>Senna siamea</i>            | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | tantary     | <i>Oroxylum indicum</i>        | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Branked     | <i>Justicia adhatoda</i>       | Shrubs | Sub -tropical | Available | Available | Own Use | Leaves      |  |  | Self observed |
| Tree | Khar        | <i>Saccharum</i>               | Tree   | Sub -tropical | Available | Available | Own Use | Leaves      |  |  | Self observed |
| Tree | Imli        | <i>Tamarandis indica</i>       | Tree   | Sub -tropical | Available | Available | Own Use | Fruits      |  |  | Self observed |
| Tree | Cribul      |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Kurri       |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Narsino     |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Pandal      |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Rala        |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Tai         |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Salag       |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Karmroo     |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |
| Tree | Khro        |                                | Tree   | Sub -tropical | Available | Available | Own Use | Wood        |  |  | Self observed |

|      |               |  |      |               |           |           |         |      |  |  |               |
|------|---------------|--|------|---------------|-----------|-----------|---------|------|--|--|---------------|
| Tree | Gagerada      |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Kamkam        |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Kangi         |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Kenye/Kenyo   |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Lanyan        |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Karkai/katkai |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Gamai         |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Kalam/Kalen   |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Karmanglu     |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Tanda         |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Mankarahan    |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Amity         |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Banhadam      |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Gangara       |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |
| Tree | Khajoor       |  | Tree | Sub -tropical | Available | Available | Own Use | Wood |  |  | Self observed |



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

| 1       | 2             | 3                               | 4       | 5  | 6         |
|---------|---------------|---------------------------------|---------|--|-----------|
| Sl. No. | Local Name    | Scientific Name                 | Variety | Importance<br>(as economic, social, cultural etc.) | Status    |
| 1       | Ratti         | <i>Abrus precatoris</i>         | Wild    | Social and Economic                                | Available |
| 2       | Khair         | <i>Acacia catechu</i>           | Wild    | Social and Economic                                | Available |
| 3       | Exotic Acacia | <i>Acacia farnesana</i>         | Wild    | Social and Economic                                | Available |
| 4       | Kikkar        | <i>Acacia nilotia</i>           | Wild    | Social and Economic                                | Available |
| 5       | Parkanda      | <i>Achyranthes aspera</i>       | Wild    | Social and Economic                                | Available |
| 6       | Bael          | <i>Aegle marmelos</i>           | Wild    | Social and Economic                                | Available |
| 7       | Nuriya        | <i>Aerva sanguinolenta</i>      | Wild    | Social and Economic                                | Available |
| 8       | Rambana       | <i>Agave americana</i>          | Wild    | Social and Economic                                | Available |
|         | safed Siris   | <i>Albizzia procera</i>         | Wild    | Social and Economic                                | Available |
| 9       | kala siris    | <i>Albizzia lebbeck</i>         | Wild    | Social and Economic                                | Available |
| 10      | Kwad Gandal   | <i>Aloe barbandensis</i>        | Wild    | Social and Economic                                | Available |
| 11      | Nad           | <i>Arundo donax</i>             | Wild    | Social and Economic                                | Available |
| 12      | Seski         | <i>Artemisia parviflora</i>     | Wild    | Social and Economic                                | Available |
| 13      | Kathal        | <i>Artocarpus heterophyllus</i> | Wild    | Social and Economic                                | Available |
| 14      | Chaleri Saag  | <i>Amaranthus viridis</i>       | Wild    | Social and Economic                                | Available |
| 15      | Neem          | <i>Azadirachta indica</i>       | Wild    | Social and Economic                                | Available |
| 16      | bamboo        | <i>Bambusa bamboos</i>          | Wild    | Social and Economic                                | Available |
| 17      |               | <i>Bambusa nutans</i>           | Wild    | Social and Economic                                | Available |
| 18      | Baloongar     | <i>Bahunia vahlii</i>           | Wild    | Social and Economic                                | Available |
| 20      | kachnar       | <i>Bahunia variegata</i>        | Wild    | Social and Economic                                | Available |

|    |                 |                                  |      |                     |           |
|----|-----------------|----------------------------------|------|---------------------|-----------|
| 21 | Simbal          | <i>Bombax ceiba</i>              | Wild | Social and Economic | Available |
| 22 | Jungli toot     | <i>Broussonetia papyrifera</i>   | Wild | Social and Economic | Available |
| 23 | Plaah           | <i>Butea monosperma</i>          | Wild | Social and Economic | Available |
| 24 | Bhang           | <i>Cannabis sativa</i>           | Wild | Social and Economic | Available |
| 25 | Chila           | <i>Casaria tometosa</i>          | Wild | Social and Economic | Available |
| 26 | Kringal         | <i>Cassia fistula</i>            | Wild | Social and Economic | Available |
| 27 | Mainphal        | <i>Catunaregum spinosa</i>       | Wild | Social and Economic | Available |
| 28 | Aajan Grass     | <i>Cenchrus ciliaris</i>         | Wild | Social and Economic | Available |
| 29 | Brahmi Buti     | <i>Centella asiatica</i>         | Wild | Social and Economic | Available |
| 30 | karun           | <i>Chenopodium murale</i>        | Wild | Social and Economic | Available |
| 31 | Khas khas       | <i>Chrysopogon zizanoides</i>    | Wild | Social and Economic | Available |
| 32 | Kapoor          | <i>Cinnamomum camphora</i>       | Wild | Social and Economic | Available |
| 33 | Bhus            | <i>Cirsium arvense</i>           | Wild | Social and Economic | Available |
| 34 | Sanali or Dussa | <i>Colebrookea oppositifolia</i> | Wild | Social and Economic | Available |
| 35 | Shudri          | <i>Crateva religiosa</i>         | Wild | Social and Economic | Available |
| 36 | amer Bel        | <i>Cuscuta reflexa</i>           | Wild | Social and Economic | Available |
| 37 |                 | <i>Cynoglossum lanceolatum</i>   | Wild | Social and Economic | Available |
| 38 | Barna           | <i>Cyperus rotundus</i>          | Wild | Social and Economic | Available |
| 39 | Tali            | <i>Dalbergia sissoo</i>          | Wild | Social and Economic | Available |
| 40 | Dhatura         | <i>Datura stramonium</i>         | Wild | Social and Economic | Available |
| 41 | Baans           | <i>Dendrocalmus</i>              | Wild | Social and Economic | Available |
| 42 | palain          | <i>Debdrocalamus annulatum</i>   | Wild | Social and Economic | Available |
| 43 | Kalu Grass      | <i>dicliptera bupleuroides</i>   | Wild | Social and Economic | Available |
| 44 | Sadhun          | <i>Dioscorea melanophyma</i>     | Wild | Social and Economic | Available |
| 45 |                 | <i>Dodonaea viscosa</i>          | Wild | Social and Economic | Available |
| 46 |                 | <i>Dicliptera bupleurooides</i>  | Wild | Social and Economic | Available |

|    |               |                               |      |                     |           |
|----|---------------|-------------------------------|------|---------------------|-----------|
| 47 |               | <i>Dioscorea melanophyma</i>  | Wild | Social and Economic | Available |
| 48 | Santha        | <i>Dodonaea viscosa</i>       | Wild | Social and Economic | Available |
| 49 | duranta       | <i>Duranta erecta</i>         | Wild | Social and Economic | Available |
| 50 | Chamror       | <i>Ehretia acuminata</i>      | Wild | Social and Economic | Available |
| 51 | Dhol Dhak     | <i>Erythrina suberosa</i>     | Wild | Social and Economic | Available |
| 52 | pangara       | <i>Erythrina variegata</i>    | Wild | Social and Economic | Available |
| 53 | safeda        | <i>Ecalyptus tereticornis</i> | Wild | Social and Economic | Available |
| 54 | Hybrid safeda | <i>Eulaliopsis binata</i>     | Wild | Social and Economic | Available |
| 55 | Bubbean       | <i>Euphorbia royleana</i>     | Wild | Social and Economic | Available |
| 56 | Trimbal       | <i>Ficus auriculata</i>       | Wild | Social and Economic | Available |
| 57 | Bohr          | <i>Ficus benghalensis</i>     | Wild | Social and Economic | Available |
| 58 | Peepal        | <i>Ficus religiosa</i>        | Wild | Social and Economic | Available |
| 59 | Kakoa         | <i>Flacourtia indica</i>      | Wild | Social and Economic | Available |
| 60 | Lamb Grass    | <i>Flemingia chappar</i>      | Wild | Social and Economic | Available |
| 61 | Kharpoway     | <i>Gompherna celosiooides</i> | Wild | Social and Economic | Available |
| 62 | Dhaman        | <i>Grewia optiva</i>          | Wild | Social and Economic | Available |
| 63 | Kanphuta      | <i>Heteropogon contortus</i>  | Wild | Social and Economic | Available |
| 64 | Bhattani      | <i>Ipomoea carnea</i>         | Wild | Social and Economic | Available |
| 65 | Chameli       | <i>jasminum officinale</i>    | Wild | Social and Economic | Available |
| 66 | Ratanjot      | <i>Jatropha curcas</i>        | Wild | Social and Economic | Available |
| 67 | Brenker       | <i>Justicia adhatoda</i>      | Wild | Social and Economic | Available |
| 68 | Kembal        | <i>lannea coromandelica</i>   | Wild | Social and Economic | Available |

|    |                  |                                    |      |                     |           |
|----|------------------|------------------------------------|------|---------------------|-----------|
| 69 | panjphuli        | <i>Lantana camera</i>              | Wild | Social and Economic | Available |
| 70 | Mithu grass      | <i>lathyrus sativus</i>            | Wild | Social and Economic | Available |
| 71 | kamila           | <i>mallotus philippensis</i>       | Wild | Social and Economic | Available |
| 72 | baryar           | <i>Malvastreum coromandelianum</i> | Wild | Social and Economic | Available |
| 73 | Aam              | <i>Magnifera indica</i>            | Wild | Social and Economic | Available |
| 74 | drehnk           | <i>Melia azedarach</i>             | Wild | Social and Economic | Available |
| 75 | Kaam             | <i>Mitragyna parvifolia</i>        | Wild | Social and Economic | Available |
| 76 | Toot             | <i>Morus alba</i>                  | Wild | Social and Economic | Available |
| 77 | Drenkri          | <i>Murraya koenigiffi</i>          | Wild | Social and Economic | Available |
| 78 | gandila          | <i>Nerium oleander</i>             | Wild | Social and Economic | Available |
| 79 | Kua              | <i>Loea europaea</i>               | Wild | Social and Economic | Available |
| 80 | Chitter          | <i>Cuspidata</i>                   | Wild | Social and Economic | Available |
| 81 | Pricky pear      | <i>Opuntia elator</i>              | Wild | Social and Economic | Available |
| 82 | tetar            | <i>Oroxylum indicum</i>            | Wild | Social and Economic | Available |
| 83 | Congress grass   | <i>Parthenium hysterophorus</i>    | Wild | Social and Economic | Available |
| 84 | Deena nath grass | <i>Pennisetum pedicellatum</i>     | Wild | Social and Economic | Available |
| 85 | Napier grass     | <i>Pennisetum purpureum</i>        | Wild | Social and Economic | Available |
| 86 | Kahjoor          | <i>Phoenix sylvestris</i>          | Wild | Social and Economic | Available |
| 87 | Amla             | <i>Phyllanthus emblica</i>         | Wild | Social and Economic | Available |
| 88 | Chir             | <i>Pinus roxburghii</i>            | Wild | Social and Economic | Available |
| 89 | Jojra            | <i>Puplia lappacea</i>             | Wild | Social and Economic | Available |
| 90 | Yellow flax      | <i>Reinwarddtia indica</i>         | Wild | Social and Economic | Available |
| 91 | Castor oil       | <i>Ricinus hastatus</i>            | Wild | Social and Economic | Available |
| 92 | baruwa grass     | <i>Saccharum bengalense</i>        | Wild | Social and Economic | Available |
| 93 | Wild sugarcane   | <i>Saccharum spontaneum</i>        | Wild | Social and Economic | Available |
| 94 | basant panchmi   | <i>Sapindus mukorossi</i>          | Wild | Social and Economic | Available |

### Format 20: Aquatic Biodiversity

| 1                  | 2                                   | 3       | 4        | 5       | 6            |         | 7    | 8             | 9             | 10                          |
|--------------------|-------------------------------------|---------|----------|---------|--------------|---------|------|---------------|---------------|-----------------------------|
| Local Name         | Scientific Name                     | Variety | Features | Habitat | Local Status |         | Uses | Associated TK | Other details | Community/ Knowledge Holder |
|                    |                                     |         |          |         | Past         | Present |      |               |               |                             |
| Kamal              | <i>Lotus</i>                        |         |          |         |              |         |      |               |               |                             |
| Barrain            | <i>Acorus calamns</i>               |         |          |         |              |         |      |               |               |                             |
| Akk                | <i>Ipomea carnea</i>                |         |          |         |              |         |      |               |               |                             |
| Narrowleaf cattail | <i>Typha angustifolia</i>           |         |          |         |              |         |      |               |               |                             |
| Kolokasion         | <i>Colocasia spp</i>                |         |          |         |              |         |      |               |               |                             |
| Pondweed           | <i>Potomogeton spp.</i>             |         |          |         |              |         |      |               |               |                             |
| Waterlily          | <i>Nymphaea spp.</i>                |         |          |         |              |         |      |               |               |                             |
| Waterhyme          | <i>Hydrilla spp.</i>                |         |          |         |              |         |      |               |               |                             |
| pickerel weed      | <i>Monochria vaginalis</i>          |         |          |         |              |         |      |               |               |                             |
| Duckweeds          | <i>Lemna spp.</i>                   |         |          |         |              |         |      |               |               |                             |
| Alligator weed     | <i>Alternanthera philoseiroides</i> |         |          |         |              |         |      |               |               |                             |
| Water clover       | <i>Marsilea spp.</i>                |         |          |         |              |         |      |               |               |                             |
| water hyacinth     | <i>Eichornea spp.</i>               |         |          |         |              |         |      |               |               |                             |

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

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

| 1       | 2          | 3               | 4       | 5          | 6      |
|---------|------------|-----------------|---------|------------|--------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance | Trends |
|         |            |                 |         |            |        |

**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                      | Khair         | <i>Acacia catechu</i>         | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Phulai or fly | <i>Acacia modesta</i>         | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Kikar         | <i>Acacia nilotica</i>        | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Parkanda      | <i>Achyranthes aspera</i>     | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Bel           | <i>Aegle marmelos</i>         | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Kramblu       | <i>Albizia odoratissima</i>   | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Neem          | <i>Azadirachata indica</i>    | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Simbal        | <i>Bambax ceiba</i>           | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Herbs                     | Bhang         | <i>Cannabis sativa</i>        | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Shrubs                    | Garna         | <i>Carissa spinosa</i>        | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Krangal       | <i>Cassia fistula</i>         | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Herbs                     | Brahmi buti   | <i>Centella asiatica</i>      | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Herbs                     | Khas khas     | <i>Chrysopogon zizianides</i> | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Kapoor        | <i>Cinnamomum camphora</i>    | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Fagora        | <i>Ficus palmata</i>          | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Rumble        | <i>Ficus racemosa</i>         | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Toot          | <i>Morus alba</i>             | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Shrubs                    | Drenkeri      | <i>Murraya koenigii</i>       | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Khajoor       | <i>Phoenix sylvestris</i>     | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | amla          | <i>Phyllanthus emblica</i>    | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | reetha        | <i>sapindus mukorossi</i>     | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Jamun         | <i>Syzygium cumini</i>        | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Imli          | <i>Tamarindus indica</i>      | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Arjun         | <i>Terminalia arjuna</i>      | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Bahera        | <i>Terminalia bellirica</i>   | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Tree                      | Harar         | <i>Terminalia chebula</i>     | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |
| Herbs                     | Giloe         | <i>Tinospora sinensis</i>     | Wild    | Sub-Tropical        | Available    | Available |               |              |           |                               |                             |

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)  
Other details: Harvesting period /Perennial/annual/seasonal









**Format 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 |                    |               |               |                             |
| Khair         | <i>Acacia catechu</i>      |         |              |         |                    |               |               |                             |
| Exotic acacia | <i>Acacia farnesiana</i>   |         |              |         |                    |               |               |                             |
| Kala siris    | <i>Albizia lebbek</i>      |         |              |         |                    |               |               |                             |
| Safed siris   | <i>Albizia procera</i>     |         |              |         |                    |               |               |                             |
| Kwad gandal   | <i>Aloe barbadensis</i>    |         |              |         |                    |               |               |                             |
| Safeda        | <i>Corymbia citriodora</i> |         |              |         |                    |               |               |                             |
| Talli         | <i>Dalbergia sissoo</i>    |         |              |         |                    |               |               |                             |







### Format 29: Flora

| 1     | 2          | 3                            | 4               |                         | 5                    | 6           | 7                            |
|-------|------------|------------------------------|-----------------|-------------------------|----------------------|-------------|------------------------------|
| S.No. | Local Name | Scientific Name              | Type of Plant   | Habitat                 | Flowering Season     | Rare/Common | Remarks (Rare / Common etc.) |
| 1.    | Gutta      | <i>Tagetes patula</i>        | Herbs Seasonals | Terrestrial/Subtropical | Grows round the year | Common      |                              |
| 2.    | Gulab      | <i>Rosa spp.</i>             | Herbs Seasonals | Terrestrial/Subtropical | Perennial flower     | Common      |                              |
| 3.    | Guldaudi   | <i>Chrysanthemum spp.</i>    | Herbs Seasonals | Terrestrial/Subtropical | Winter flower        | Common      |                              |
| 4.    | Guldopahar | <i>Portulaca grandiflora</i> | Herbs Seasonals | Terrestrial/Subtropical | Summer flower        | Common      |                              |
| 5.    | Dalia      | <i>Dahlia pinnata</i>        | Herbs Seasonals | Terrestrial/Subtropical | Winter annual flower | 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        | Scientific Name          | Type of Animals (Mammals / Birds / Fish / Insect etc.) | Habitat           | Remarks (Rare / Common etc.) |
| 1       | Cow.              | <i>Bos Indicus</i>       | Mammal   | Terrestrial       | Common                       |
| 2       | Jersey.           | <i>Bos Taurus</i>        | Mammal   | Terrestrial       | Common                       |
| 3       | Holstein Friesian | <i>Bos Taurus</i>        | Mammal   | Terrestrial       | Common                       |
| 4       | Buffalo.          | <i>Bubalus Bubalis</i>   | Mammal   | Terrestrial       | Common                       |
| 5       | Poultry Birds.    | <i>Gallus domestius.</i> | Mammal   | Terrestrial/Arial | 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>   |
| 1              | Timbru Tree                            |                  |
|                | Ganderi Patta                          | Cure teeth decay |
|                |  |                  |
|                |  |                  |

*End of Part II*