| Peoples' Biodiversity Register (PBR): General Details                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name of the Panchayat Samity: BADHAT                                                                                                                                  |
| Taluk: DRABSHALLA                                                                                                                                                     |
| District: Kishtwar                                                                                                                                                    |
| UT: Jammu & Kashmir                                                                                                                                                   |
| Geographical Area of the Panchayat Samity:                                                                                                                            |
| Population under the Panchayat Samity: Total = 2700                                                                                                                   |
| Male 1410 Female 1290                                                                                                                                                 |
| Habitat and Topography: Hilly terrain                                                                                                                                 |
| Climate (Rainfall, Temperature and other weather patterns) Land Use (Nine fold classification available with village records) Date, Month and Year of PBR preparation |
| Management Regime: Reserve Forests (RF) / Joint Forest Management (JFM) / Protected Areas (PA) / Community Owned and Managed Forests (COM)                            |

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: Dewan thakur S/o Sh. Prem Nath, 9622062171

Age: 61

Gender: Male

Address: SALANA BADHAT

Area of specialization:

2) Name: Leela Devi, 9858046995

Age: 63 years Gender: Female

Address: Joshana Badhat Area of specialization:

3) Name: Raksha devi, 7051188340

Age: 27 years Gender: Female Address: Salana Badhat

Area of specialization: Housewife

4) Name: Subash chander, 7006498455

Age: 49 years Gender: male Address:Badhat

Area of specialization: Agriculture

5) Name: Mohd Iqbal, 8899364072

Age: 42 years Gender: male Address: Badhat

Area of specialization: Agriculture

6) Name: Sandeep kumar, 6005196322

Age: 39 Years Gender: Male Addres Salana Badhat Area of specialization:

7) Name: Rajesh Parihar, 7006699041

Age: 31 years Gender: Male Address:

Area of specialization

List of Vaids, hakims and traditional health care (human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village

Name: Chander Parkash

Age: 45 Gender: ,Male Address: Joshana

Area of Specialization: Hakeem

Location from which the person accesses biological material: -Forest Perception of the practitioner on the resource status: Medicinal use:-FEVER, TYPHOID, JAUNDICE, CONSTIPATION Etc.

Name: Sher chand

Age: 60 Gender:Male Address: Badhat

Area of Specialization: traditional healthcare

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status: Medicinal use: treatment of fracture etc.

Name: Age: Gender: Address:

Area of Specialization:

Location from which the person accesses biological material: Forest Perception of the practitioner on the resource status: Medicinal use:

| List of individuals perceived by the villagers to possess Traditional Knowledge related to biodiversity in agriculture, fisheries, and forestry | e (TK) |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Name:- Sewa Ram<br>Age:55                                                                                                                       |        |
| Gender: Address:SALNA Area of specialization:BEE KEEPING                                                                                        |        |
| Name:AIJAZ AHMAD Age:35 Gender: Address:BADAT Area of specialization:HORTICULTE                                                                 |        |
| Name: Age: Gender: Address: Area of specialization:                                                                                             |        |
| Name: Age: Gender: Address: Area of specialization:                                                                                             |        |

| Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact Person Name andAddress:                                                                                                                                        |
| 2) Contact Person Name andAddress:                                                                                                                                     |
| 3) Contact Person Name andAddress:                                                                                                                                     |
| 4) Contact Person Name andAddress:                                                                                                                                     |
| You may add names of more institutions / NGO / Individuals, etc. if necessary.                                                                                         |

Details of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefits derived and the mode of theirsharing

| No | Name and address of the Person<br>/institution/ company/ others | Local and Scientific Name of the biological material Accessed and quantity | Date and resolution of the BMC and endorsement by the panchayat | Details of collection fee<br>imposed | Anticipated mode of sharing<br>benefits or quantum of benefits<br>shared |
|----|-----------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------|
|    |                                                                 |                                                                            |                                                                 |                                      |                                                                          |

Part II

# PBR – Formats AGROBIODIVERSITY

# Format 1: Crop Plants

| 1      | 2                     | 3          | 4       | 5                  | 6          | 7       | 7       |                                             | 7        |             | 7                       |               | 7                                       |                         | 7 |  | 7 |  | 9 | 10 | 11 | 12 | 13 | 14 |
|--------|-----------------------|------------|---------|--------------------|------------|---------|---------|---------------------------------------------|----------|-------------|-------------------------|---------------|-----------------------------------------|-------------------------|---|--|---|--|---|----|----|----|----|----|
| Crop   | Scientific Name       | Local Name | Variety | Landscape/         | Approx.    | Local S | tatus   | Special                                     | Cropping | Uses        | Associated              | Other details | Source of                               | Community/<br>Knowledge |   |  |   |  |   |    |    |    |    |    |
| Сгор   | Scientific Name       | Local Name | variety | Habitat            | area shown | Past    | Present | features                                    | season   | Uses        | TK                      | Other details | Seeds/Plants                            | Holder                  |   |  |   |  |   |    |    |    |    |    |
| Wheat  | Triticum              | Gundam     | Local   | Lowland<br>valleys |            | Plenty  | Plenty  | -do-                                        | May-June | Food Fodder | Provides<br>more energy | Not-known     | Local preserved /<br>Agriculture Deptt. | Locals                  |   |  |   |  |   |    |    |    |    |    |
| Barley | Hordeum vulgare       | Jow        | Local   | Lowland<br>valleys |            | Plenty  | Rare    | -do-                                        | May-June | Food Fodder | Provides<br>more energy | Not-known     | Local preserved                         | Locals                  |   |  |   |  |   |    |    |    |    |    |
| Maize  | Zea mays              | Maki       | Local   | Lowland<br>valleys |            | Plenty  | Plenty  | -do-                                        | Sept-Oct | Food Fodder | Provides<br>more energy | Not-known     | Local preserved                         | Locals                  |   |  |   |  |   |    |    |    |    |    |
| Oat    | Avena sativa          | Lawn       | Local   | Lowland valleys    |            | Rare    | Plenty  | -do-                                        | May-June | Fodder      | Provides<br>more energy | Not-known     | Local preserved /<br>Agriculture Deptt. | Locals                  |   |  |   |  |   |    |    |    |    |    |
| Beans  | Phaseolus<br>vulgaris | Rajmash    | Local   | Lowland valleys    |            | Plenty  | Plenty  | Resistant to<br>drought, pests<br>&diseases | Sept-Oct | Food Fodder | Provides<br>more energy | Not-known     | Local preserved                         | Locals                  |   |  |   |  |   |    |    |    |    |    |

# **Format 2: Fruit Plants**

|             | <u> </u>         |            | <del> </del>                                           | ,                                     |        |         | 1                                                         |                       | 1                                                                   |                     | 1                            |           |
|-------------|------------------|------------|--------------------------------------------------------|---------------------------------------|--------|---------|-----------------------------------------------------------|-----------------------|---------------------------------------------------------------------|---------------------|------------------------------|-----------|
| 1           | 2                | 3          | 4                                                      | 5                                     |        | 6       | 7                                                         | 8                     | 9                                                                   | 10                  | 11                           | 12        |
| Plant       | Scientific Name  | Local Name | Variety                                                | Landscape /<br>Habitat                | Local  | Status  | Source of<br>Seeds/Plants                                 | Season of<br>Fruiting | Associated TK                                                       | Uses                | Other details<br>market/ownu | Knowledge |
|             |                  |            |                                                        | Habitat                               | Past   | Present | Secus/1 failts                                            | (Repining)            |                                                                     |                     | se                           | holder    |
| Apple       | Malus domestica  | Saib       | Red delicious,<br>Golden delicious,<br>Ambri           | Lowland valley /<br>home gardens      | Plenty | Plenty  | Local preserved /<br>Horticulture Deptt./<br>Pvt. Nursery | Aug-Sept              | Reducing cholesterol,<br>lowering blood sugar<br>level              | Nutritious<br>value | Market / own use             | Locals    |
| Apricot     | Prunus armeniaca | Khubani    | Safeda, Qadri                                          | -do-                                  | Plenty | Rare    | Local preserved / grafting                                | June-July             | Cures heart diseases                                                | Nutritious<br>value | Market / own use             | Locals    |
| Walnut      | Juglans regia    | Akhroot    | Local                                                  | Lowland valley /<br>Agricultural land | Plenty | Plenty  | Local preserved /<br>Horticulture Deptt.                  | Aug-Sept              | Reduces prostrate cancer and diabetes                               | Nutritious<br>value | Market / own use             | Locals    |
| Pear        | Pyrus            | Tang       | Babugosha, Moti<br>Daddi, Half red<br>Naak, Misri Tang | -do-                                  | Plenty | Plenty  | Local preserved / grafting                                | Aug-Sept              | Uses for mild<br>digestion problems,<br>diarrhea, severe<br>cholera | Nutritious<br>value | Market / own use             | Locals    |
| Peach       | Prunus armwniaca | Aadu       | Local, Shan-e-<br>Punjab, Amba                         | -do-                                  | Plenty | Rare    | Local preserved                                           | Aug-Sept              | Provides more energy                                                | Nutritious<br>value | Market / own use             | Locals    |
| Pomegranate | Punica granatum  | Anardana   | Local wild /<br>Ganesh, Kandhari                       | -do-                                  | Plenty | Rare    | Local preserved                                           | Sept-Oct              | Provides more energy                                                | Nutritious<br>value | Market / own use             | Locals    |

| Grapes   | Vitis vinifera   | Angoor      | Local / Hybrid     | -do-             | Rare   | Rare   | Local preserved                 | Aug-Sept | Provides more energy | Nutritious<br>value | Market / own use | Locals |
|----------|------------------|-------------|--------------------|------------------|--------|--------|---------------------------------|----------|----------------------|---------------------|------------------|--------|
| Cucumber | Curmis sativus   | Khira       | Local / Hybrid     | Agriculture land | Plenty | Plenty | Local preserved /<br>Seed shops | Aug-Sept | Provides more energy | Nutritious<br>value | Market / own use | Locals |
| Plum     | Prunus domestica | Alu Bukhara | Santa Rosa / Local | Agriculture land | Rare   | Rare   | Local preserved /<br>Seed shops | Aug-Sept | Provides more energy | Nutritious<br>value | Market / own use | Locals |
| Quince   | Cydonia oblonga  | Beehi       | Local              | Agriculture land | Plenty | Plenty | Local preserved /<br>Seed shops | Aug-Sept | Provides more energy | Nutritious<br>value | Market / own use | Locals |

# **Format 3: Fodder Crops /Species**

| 1         | 2                       | 3            | 4                | :      | 5       | 6                                                | 7                                                              | 8                  | 9                                       | 10                  |  |
|-----------|-------------------------|--------------|------------------|--------|---------|--------------------------------------------------|----------------------------------------------------------------|--------------------|-----------------------------------------|---------------------|--|
| DI 4      | C                       | T 1N         | Landscape /      | Local  | Status  | G CN 4/G                                         | A LATIV                                                        | D (H )             |                                         | Community /         |  |
| Plant     | Scientific Name         | Local Name   | Habitat          | Past   | Present | Source of Plants / Seeds                         | Associated TK                                                  | Part Used          | Other details                           | Knowledge<br>holder |  |
| Oak       | Quercus ilex            | Heru         | Lowland / Forest | Plenty | Plenty  | Natural propagation                              | Green leaves as fodder which provides more energy to livestock | Green Leaves       | Also used as fuel wood<br>& soil binder | Locals              |  |
| Robenia   | Roninia<br>pseudoacacia | Kikar        | Lowland / Forest | Rare   | Rare    | Natural propagation /<br>Artificial regeneration | -do-                                                           | Green Leaves       | Also a good soil binder plant           | Locals              |  |
| Ban oak   | Aescules indica         | Gug          | Lowland / Forest | Rare   | Rare    | Natural propagation /<br>Artificial regeneration | -do-                                                           | Green Leaves       | Also used as fuel wood                  | Locals              |  |
| Ailanthus | Ailanthus altissima     | Fak kul      | Lowland / Forest | Plenty | Plenty  | Natural propagation                              | -do-                                                           | Green Leaves       | Also used as fuel wood                  | Locals              |  |
| Willow    | Salix alba              | Ier kul      | Lowland / Forest | Plenty | Plenty  | Natural propagation /<br>Artificial regeneration | -do-                                                           | Green Leaves       | Also used as fuel wood                  | Locals              |  |
| Fig       | Ficus palmate           | Figura       | Lowland / Forest | Plenty | Rare    | Natural propagation                              | Provides fodder and more energy to livestock                   | Green / dry Leaves | Fruit edible & also used as fuel wood   | Locals              |  |
| Rice      | Oryza sativa            | Dhan / tamul | Lowland valleys  | Plenty | Rare    | Local preserved                                  | Provides fodder and more energy to livestock                   | Whole plant        | Also provides food grains               | Locals              |  |
| Wheat     | Triticum                | Gundam       | Lowland valleys  | Plenty | Plenty  | Local preserved /<br>Agriculture Deptt.          | Provides fodder and more energy to livestock                   | Whole plant        | Also provides food grains               | Locals              |  |
| Barley    | Hordeum vulgare         | Jow          | Lowland valleys  | Plenty | Rare    | Local preserved                                  | Green & dry plant used as fodder for the livestock             | Whole plant        | Also provides food<br>grains            | Locals              |  |

| Maize | Zea mays     | Maki | Lowland valleys | Plenty | Plenty | Local preserved                         | Provides fodder and more energy to livestock       | Whole plant | Also provides food<br>grains | Locals |
|-------|--------------|------|-----------------|--------|--------|-----------------------------------------|----------------------------------------------------|-------------|------------------------------|--------|
| Oat   | Avena sativa | Lawn | Lowland valleys | Rare   | Plenty | Local preserved /<br>Agriculture Deptt. | Green & dry plant used as fodder for the livestock | Whole plant | Fodder crop                  | Locals |

# Format 4: Weeds

| 1     | 2                           | 3              | 4                           | 5                                                                         | 6                   | 7      | 7            | 8            | 9                                    | 10                                       | 11                                         | 12                       |
|-------|-----------------------------|----------------|-----------------------------|---------------------------------------------------------------------------|---------------------|--------|--------------|--------------|--------------------------------------|------------------------------------------|--------------------------------------------|--------------------------|
| Plant | Scientific Name             | Local Name     | Affected crop               | Impact                                                                    | Landscape /         | Local  | Local Status |              | Management                           | Associated TK                            | Other details                              | Community /<br>Knowledge |
| Tiant | Scientific Ivaine           | Local Ivalit   | Anceted crop                | Impact                                                                    | Habitat             | Past   | Present      | Uses if any  | options                              | Associated TK                            | like exotic                                | holder                   |
| Grass | Parthenium<br>hysterophorus | Congress grass | Every crop<br>even to human | Less growth of<br>affected crop and<br>causes severe<br>itching in humans | Forest /<br>Lowland | Plenty | Plenty       | -            | Pesticide spraying<br>/ plucking out | Causes severe<br>skin problems           | Not reported                               | Locals                   |
| Grass | Cynodon dactylon            | Drub grass     | Every crop                  | Less growth of affected crop                                              | Forest /<br>Lowland | Plenty | Plenty       | Fodder grass | Pesticide spraying / plucking out    | Religious<br>purpose                     | Not reported                               | Locals                   |
| Grass | Anagallis arvensis          | Grass          | Maize                       | -do-                                                                      | Lowland             | Plenty | Plenty       | -            | Pesticide spraying / plucking out    | Weed                                     | Not reported                               | Locals                   |
| Grass | Lolium temulentum           | Rye grass      | Wheat                       | -do-                                                                      | Lowland             | Plenty | Plenty       | -            | Manual plucking<br>out               | Weed adversely<br>affect crop<br>quality | Not reported                               | Locals                   |
| Plant | Malva sylvestris            | Sotsal         | Vegetables                  | -do-                                                                      | Lowland             | Plenty | Plenty       | -            | Manual plucking out                  | Medicinal use                            | Not reported                               | Locals                   |
| Plant | Cannabis sativa             | Bhang          | Every crop                  | -do-                                                                      | Forest<br>/Lowland  | Plenty | Plenty       | -            | Manual plucking out                  | Religious<br>purpose                     | Making<br>Charas<br>(intoxicating<br>drug) | Locals                   |

| Plant | Cardius nutans | Kond posh  | Every crop | -do- | Forest<br>/Lowland | Plenty | Plenty | - | Manual plucking out               | Weed | Not reported | Locals |
|-------|----------------|------------|------------|------|--------------------|--------|--------|---|-----------------------------------|------|--------------|--------|
| Plant | Utrica dioica  | Soi        | Every crop | -do- | Forest<br>/Lowland | Plenty | Plenty | - | Pesticide spraying / plucking out | Weed | Not reported | Locals |
| Plant | Mateicaria     | Chamomilla | Every crop | -do- | Forest<br>/Lowland | Plenty | Plenty | - | Pesticide spraying / plucking out | Weed | Not reported | Locals |

| Format 5: Pests of Cr | ops |
|-----------------------|-----|
|-----------------------|-----|

| 1           | 2               | 3                      | 4                               | 5                          | 6                          | 7                       | 8                          | 9               | 10                            |
|-------------|-----------------|------------------------|---------------------------------|----------------------------|----------------------------|-------------------------|----------------------------|-----------------|-------------------------------|
| Host        | Insect / Animal | Scientific name        | Local name                      | Habitat                    | Time / season of<br>attack | Management<br>mechanism | Associated TK              | Other details   | Community<br>knowledge holder |
| Deodar tree | Insect          | Ectropis deodarae      | Deodar defoliator               | On host                    | July to Oct                | Insecticide application | Not reported               | Leaf defoliator | -                             |
| Kail tree   | Insect          | Lophodermium macci     | Fungal pathogen                 | On host and fallen needles | July to Oct                | Insecticide application | Not reported               | Leaf defoliator | -                             |
| Fir tree    | Insect          | Fusarium pallidiriseum | Pathogen                        | On host and fallen needles | July to Oct                | Insecticide application | Not reported               | Leaf defoliator | -                             |
| Maize       | Insect          | Helicoverpa            | Corn earworm, true<br>wire worm | Farm fields                | -                          | Insecticide application | Leaf damager               | Not known       | -                             |
| Maize       | Animal          | Rattus norvegicus      | Rat                             | Farm fields                | After flowering            | Chemical pesticide      | Roots and fruit<br>damager | Not known       | -                             |
| Wheat       | Insect          | Odontoter misobesus    | Termites                        | Farm fields                | Ripening period            | Insecticide application | Damages the food grain     | Not known       | -                             |

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

Not applicable

Not applicable

Not applicable

Not applicable

Not applicable

[2]

Not applicable

Not applicable

[1]

Not applicable

Not applicable

|                               |                                   |                                                                     |                                                   | Format 7:                                             | Peoplescape                          |                                                 |              |                        |                                                                 |            |
|-------------------------------|-----------------------------------|---------------------------------------------------------------------|---------------------------------------------------|-------------------------------------------------------|--------------------------------------|-------------------------------------------------|--------------|------------------------|-----------------------------------------------------------------|------------|
| 1                             | 2                                 | 3                                                                   | 4                                                 | 5                                                     | 6                                    | 7                                               | 8            | 9                      | 10                                                              | 11         |
| Community & Population        | Families &<br>Major<br>occupation | Sub- occupation                                                     | Depending<br>Landscape                            | Major resources<br>accessed and seasons of<br>access  | Landscape<br>management<br>practices | Resource<br>management<br>practices             | Cast/ribe    | Social condition       | Nature of inhabitants                                           | No. of HHs |
| General and<br>Scheduled cast | Agriculture                       | Collection of NTFP,<br>Cattle rearing, Artisans<br>& Govt. Servants | Forest (Hilly terrain) /<br>Agriculture landscape | Agriculture for the purpose of food grains and fodder | Terrace farming                      | Traditional resource<br>management<br>practices | General / SC | Socially<br>privileged | Most of them do<br>own jobs,<br>economically less<br>privileged | 510        |

# Format-8: Landscape.

|                   | 1       |                | 2              | 3                  | 4                 | 5             | 6             | 7                    | 8               | 9            | 10                 | 11            | 12        |
|-------------------|---------|----------------|----------------|--------------------|-------------------|---------------|---------------|----------------------|-----------------|--------------|--------------------|---------------|-----------|
| Major             | Landsca | pes            | Sub-Landscapes | Features and       | Ownership         | General flora | General fauna | User groups          | Management      | Conoral usos | Associated TK      | Other details | Community |
| Agricultural land | Pond    | Fallow<br>land | Sub-Lanuscapes | approx. area       | Ownership         | General nora  | General launa | Oser groups          | practices       | General uses | Associated TK      | Other details | accessed  |
|                   |         |                |                |                    |                   | Deodar        | Leopard       |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Kail          | Black bear    |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Fir           | Monkey        |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Spruce        | Jackal        |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Champ         | Wild goat     |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Annar         | Fox           |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Akhroot       | Wild cat      |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Appricot      | Snake         |                      |                 |              |                    |               |           |
|                   |         |                |                | D 1 / 1            |                   | Heru          | Pigeon        | , ,                  |                 |              | Indigenous         |               |           |
| Cultivated        | nil     | nil            | Mountance      | Rockey/ sandy land | Property/ shamlat | Mohru         | House Sparrow | Local<br>Inhabitants | Self management | cultivation  | knowledge of local |               |           |
|                   |         |                |                |                    |                   | Kiker         | Sparrow       |                      |                 |              | comminities        |               |           |
|                   |         |                |                |                    |                   | Mushkapoor    | Crow          |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Muchakballa   | Spider        |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Guchhies      | Butterfly     |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Kour          | Bee           |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Kuth          | Owl           |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Bankhoor      | Mosquito      |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Kumlaie       | Partridge     |                      |                 |              |                    |               |           |
|                   |         |                |                |                    |                   | Phrast        | Bulbul        |                      |                 |              |                    |               |           |

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<br>Element type | Sub-type | Features and Approx       | Owner<br>ship | General Flora                                    | General Fauna         | Major Sues              | User Group       | Management<br>Practices | General uses | Associated<br>TK | Other<br>Detail | Community<br>Accessed |
|                            | Keerah   |                           |               |                                                  |                       |                         |                  |                         |              |                  |                 |                       |
| Nallah                     | Bharoti  | Tributary of river Chenab | Govt          | Mostly ferns,<br>bryophytes and<br>pteridophytes | Amphibians and insets | Irrigation and drinking | Local population |                         | Irrigation   |                  |                 |                       |
|                            |          |                           |               |                                                  |                       |                         |                  |                         |              |                  |                 |                       |

|                                                   |                                             |                                                 |                                                        | Format 10: Soil type                                                                                                               |                                       |                                                                  |                   |
|---------------------------------------------------|---------------------------------------------|-------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------|-------------------|
| 1                                                 | 2                                           | 3                                               | 4                                                      | 5                                                                                                                                  | 6                                     | 7                                                                | 8                 |
| Soil Type                                         | Color & Texture                             | Features                                        | Soil management                                        | Plants / crop suitable                                                                                                             | Flora and fauna                       | Associated TK                                                    | Other information |
| Clay soil and sandy<br>loamy<br>soil,Mountanious. | Grayish, brown,<br>small grained<br>mixture | Does not retain<br>water frequent<br>irrigation | Recharged with leaf<br>manure, animal waste<br>compost | Conifer plants, broad leaved plants,<br>Fruit plants, NTFP species, Wheat,<br>barley, maize, rice and some<br>seasonal vegetables. | Domesticated /wild plants and animals | Provides good quality of timber, fuelwood, NTFP, food and fodder | -                 |

### DOMESTICATED BIODIVERSITY

### Format 11: Fruit Trees

| 1           | 2            | 3                 | 4                                                      | 6                                     | •      | 7       | 8                                        | 9                     | 10                  | 11                                                         | 12                  | 13                |
|-------------|--------------|-------------------|--------------------------------------------------------|---------------------------------------|--------|---------|------------------------------------------|-----------------------|---------------------|------------------------------------------------------------|---------------------|-------------------|
| Plant Type  | Local Name   | Scientific Name   | Variety                                                | Landscape/                            | Local  | Status  | Source of plant/seeds                    | Season of<br>Fruiting | Uses (usage)        | Associated TK                                              | Other details       | Community / Know. |
| Trant Type  | Local Ivalic | Scientific Ivanic | variety                                                | Habitat                               | Past   | Present | Source of plant/secus                    | (Repining)            | Oses (usage)        | Associated TK                                              | market/own use      | holder            |
| Apple       | Saib         | Malus domestica   | Red delicious,<br>Golden delicious,<br>Ambri           | Lowland valley / home gardens         | Rare   | Plenty  | Local preserved /<br>Horticulture Deptt. | Aug-Sept              | Nutritious<br>value | Reducing cholesterol,<br>lowering blood sugar<br>level     | Market / own use    | Locals            |
| Apricot     | Khubani      | Prunus armeniaca  | Safeda, Qadri                                          | -do-                                  | Plenty | Rare    | Local preserved / grafting               | June-July             | Nutritious value    | Cures heart diseases                                       | Market / own use    | Locals            |
| Walnut      | Akhroot      | Juglans regia     | Local                                                  | Lowland valley /<br>Agricultural land | Plenty | Plenty  | Local preserved /<br>Horticulture Deptt. | Aug-Sept              | Nutritious value    | Reduces prostrate cancer and diabetes                      | Market / own use    | Locals            |
| Pear        | Tang         | Pyrus             | Babugosha, Moti<br>Daddi, Half red<br>Naak, Misri Tang | -do-                                  | Plenty | Plenty  | Local preserved / grafting               | Aug-Sept              | Nutritious<br>value | Uses for mild digestion problems, diarrhea, severe cholera | Market / own<br>use | Locals            |
| Peach       | Aaadu        | Prunus armwniaca  | Local, Shan-e-<br>Punjab, Amba                         | -do-                                  | Plenty | Plenty  | Local preserved                          | Aug-Sept              | Nutritious value    | Provides more energy                                       | Market / own<br>use | Locals            |
| Pomegranate | Anardana     | Punica granatum   | Local                                                  | -do-                                  | Plenty | Plenty  | Local preserved                          | Sept-Oct              | Nutritious<br>value | Provides more energy                                       | Market / own use    | Locals            |
| Grapes      | Angoor       | Vitis vinifera    | Local / Hybrid                                         | -do-                                  | Plenty | Plenty  | Local preserved                          | Aug-Sept              | Nutritious<br>value | Provides more energy                                       | Market / own use    | Locals            |
| Cucumber    | Khira        | Curmis sativus    | Local / Hybrid                                         | -do-                                  | Plenty | Plenty  | Local preserved /<br>Seed shops          | Aug-Sept              | Nutritious<br>value | Provides more energy                                       | Market / own use    | Locals            |
| Plum        | Ore          | Prunus domestica  | Local / Hybrid                                         | -do-                                  | Plenty | Plenty  | Local preserved /<br>Seed shops          | Aug-Sept              | Nutritious value    | Provides more energy                                       | Market / own use    | Locals            |

| Quince | Beehi | Cydonia oblonga | Local | -do- | Plenty | Plenty | Local preserved /<br>Seed shops | Aug-Sept | Nutritious<br>value | Provides more energy | Market / own use | Locals |
|--------|-------|-----------------|-------|------|--------|--------|---------------------------------|----------|---------------------|----------------------|------------------|--------|
|--------|-------|-----------------|-------|------|--------|--------|---------------------------------|----------|---------------------|----------------------|------------------|--------|

# 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/ | Source of    | Locatio | on status  | Uses (usage)                                                                                                                                                                                                            | Part used                 | Associated | Other details<br>market/ own | Communit<br>y Know |
| Trant Type | Local Name                    | Scientific Name          | variety | Habitat    | plant/ seeds | Past    | Present    | Uses (usage)                                                                                                                                                                                                            | 1 art useu                | Tk         | use                          | Holders            |
| Shurb      | Ban Kakkri                    | Podophyllum<br>hexandrum | MFP     | Forest     | Natural      | Plenty  | Endangered | Useful to the skin for removal of warts,including plantar warts & sexually tranmitted warts.                                                                                                                            | Fruit                     |            |                              |                    |
| Shurb      | Rhubarb (Churko)              | Rheum spiciforme         | MFP     | Forest     | Natural      | Plenty  | Rare       | Harvested from the wild for local use as a food & medicine                                                                                                                                                              | Flower/ stem              |            |                              |                    |
| Herb       | Kuth                          | Saussurea costus         | MFP     | Forest     | Natural      | Plenty  | Rare       | The root & oil from the root are used to make medicine.treating for asthma, cough,gas,worm(nemotode).                                                                                                                   | Root/ Rhizome             |            |                              |                    |
| Herb       | Murg<br>jawain,Bajarbhang     | Hyoscyamus niger         | MFP     | Forest     | Natural      | Plenty  | Rare       | Useful for ailmentsof the<br>bones,Rh,toothache,asthma,cough nervous<br>disease & stomach pain.                                                                                                                         | Seeds                     |            |                              |                    |
| Herb       | Guggal/Dhoop                  | Jurinea dolomiaca        | MFP     | Forest     | Natural      | Plenty  | Rare       | useful for the treatment of fevers.The root<br>extract is used as an incense,skin<br>eruption,gout & Rh,                                                                                                                | Roots                     |            |                              |                    |
| Herb       | Rohan-hak/Pran/<br>Gogcheegma | Allium carolinianum      | MFP     | Forest     | Natural      | Plenty  | Rare       | Contain sulphur compounds (which give<br>them their onion flavour)help to<br>reduce blood cholesterol levels,acts as a<br>tonic to the digestive system                                                                 | Bulbs, Leaves,<br>Flowers |            |                              |                    |
| Herb       | Gaozabaan<br>(Ratanjot)       | Amebia benthami          | MFP     | Forest     | Natural      | Plenty  | Rare       | Used for imparting pleasing red colour to<br>fodstuff,oils & fats.<br>The flowering shoots are used in<br>prepration of Shrubet(syrup) &<br>jam useful in various disease of<br>tongue,throat,fever & cardiac disorders | Roots, Rhizomes           |            |                              |                    |

| Shurb   | Dhatura                      | Dhatura metel          | MFP | Forest | Natural | Plenty | Rare     | Used to treat hydrophobia,epilepsy,convulsion,syphilis,i nflammation of the breasts, smallpox,mumps & leprosy,also used as a pesticide.                                          | Seeds            |
|---------|------------------------------|------------------------|-----|--------|---------|--------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
|         | Gokhru                       | Tribulus terrestris    | MFP | Forest | Natural | Plenty | Rare     | Traditionally,people have used this plant for a variety of potential effects,I ncluding to enhance libido,keep the urinary tract healthy & reduce swelling.                      | Leaves & Flowers |
| Shurb   | Seski (murin)                | Artemisia brevifolia   | MFP | Forest | Natural | Plenty | Rare     | Used as a digestive & carminative & hence mixed with meat dishes, known to be an anthelmintic, aphrodisiac, antiseptic, laxativ e, blood purifier & antidote to scorpion stings. | Leaves           |
| Herb    | Zakhm-e-hayaat               | Bergenia ciliata       | MFP | Forest | Natural | Plenty | Rare     | Useful for the treatment of uterine contraction,ulcers, fever & kidney stone,also treat throat infection,diabetes.                                                               | Leaves & Roots   |
|         | Surajan-e-talakh             | Colchicum luteum       | MFP | Forest | Natural | Plenty | Rare     | Used as a carminative ,laxative & are effective in the treatment of gout,Rh,& disease of liver & spleen.                                                                         | Corms            |
| Herb    | Salam-panja                  | Dactylorhiza hatagirea | MFP | Forest | Natural | Plenty | Rare     | Widely used to cure various diseass like<br>dysentery,diarrhoea,chronic fever,<br>cough,stomachache,wounds,cuts,burns,fra<br>ctures & general weakness.                          | Roots, Rhizomes  |
| Climber | Shingli-mingli               | Dioscorea deltoidea    | MFP | Forest | Natural | Plenty | Rare     | Rhizomes used for the treatment of<br>different diseases such as digestive<br>disorders,<br>sore of throat for<br>struma,dirrhea,wounds,burns & anemia.                          | Roots            |
| Shurb   | Kalveuth                     | Prunella vulgaris      | MFP | Forest | Natural | Plenty | Rare     | Useful to treat infections & other illnesses, inflammation, protect against cancer, prevent diabetes complications.                                                              | Leaves & Flowers |
|         | Ravend-Chini<br>(Pambchalan) | Rheum australe         | MFP | Forest | Natural | Plenty | Sporadic | Used as laxative & also used in various herbal preparations.                                                                                                                     | Roots, Rhizomes  |

|       |                             | · · · · · · · · · · · · · · · · · · · |     |        |         |        |            | 1                                                                                                                                                                           | · · · · · · · · · · · · · · · · · · · |
|-------|-----------------------------|---------------------------------------|-----|--------|---------|--------|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Herb  | Handh                       | Traraxacum officinale                 | MFP | Forest | Natural | Plenty | Rare       | Has a special effect on the organs involved in digestion,its coffee helps with liver damage & liver weakness as well as bile weakness,stimulate pancreas & kidney function. | Leaves                                |
| Herb  | Mushakbala                  | Valeriana hardwickii                  | MFP | Forest | Natural | Plenty | Rare       | Useful in<br>epilepsy,hysteria,hypochondriasis,nervous<br>unrest & skin diseases.                                                                                           | Roots                                 |
| Shurb | Kasrore                     | Diplazium esculentum                  | MFP | Forest | Natural | Plenty | Rare       | Used as vegetable,dried rhizomes are used as an insecticide,decoction of this plant is used in the treatment of cough & sometimes as a tonic.                               | Leaves                                |
|       | Shivlingi                   | Diplocyclos palmatus                  | MFP | Forest | Natural | Plenty | Rare       | Useful for treatment of Aphrodisiac & tonic , constipation,stomach problem,diarrhoea,malaria fever etc.                                                                     | Ariel plants parts                    |
| Herb  | Patrees                     | Aconitum heterophyllum                | MFP | Forest | Natural | Plenty | Threatened | Usefulto treat bronchitis,persistent cough,upper respiratory tract infections, common cold,flu & malaria,treat fever,cough ,vomiting & diarrhea.                            | Roots                                 |
|       | Pushkarmula                 | Inula racemosa                        | MFP | Forest | Natural | Plenty | Rare       | Treat chronic bronchitis & Rh,dried hizomes & roots are used to cure loss of appetite & stomach troubles.                                                                   | Roots, Rhizomes                       |
|       | Tilpushpi (Foxglove)        | Digitalis purpurea                    | MFP | Forest | Natural | Plenty | Rare       | Useful to treat congestive heart failure & heart rhythm problems                                                                                                            | Roots                                 |
| Shrub | Gur-Krandel                 | Ferula jaeschkeana                    | MFP | Forest | Natural | Plenty | Rare       | Treatment of asthma, who oping cough, flatulent colic, pneumonia, bronchitis                                                                                                | Leaves, Flowers                       |
| Herb  | Resha-Khatmi                | Lavatera cashmeriana                  | MFP | Forest | Natural | Plenty | Rare       | A known medicinal herb used in many unani medicinal preprations,cure throat problem,mild laxative,                                                                          | Leaves, Roots &<br>Flowers            |
| Herb  | Kour, Kutki, Kadu,<br>Kadvi | Picrorhiza kurroa                     | MFP | Forest | Natural | Plenty | Rare       | Used for the treatment of jaundice,sudden liver infections caused by a virus fever,allergy & asthma.                                                                        | Roots                                 |
|       | Chuka Ladur                 | Polygonum alpinum                     | MFP | Forest | Natural | Plenty | Rare       | Used for edible,an acid flavour,the juice from the plant has been sweetened & used asa refreshing drink.                                                                    | Leaf stems                            |

|       | Pitsuaak (Birjung,<br>Pitsouli,<br>Phagermula) | Arctium lappa        | MFP | Forest | Natural | Plenty | Rare | Used therapeutically as a<br>depurative,diuretic & digestive stimulant<br>& for dermatologic conditions.                                                                    | Roots                   |
|-------|------------------------------------------------|----------------------|-----|--------|---------|--------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Herb  | Marchi                                         | Thymus linearis      | MFP | Forest | Natural | Plenty | Rare | Useful for the treatment of abdominal pain & vomiting                                                                                                                       | Flowers                 |
| Shurb | Kala Zeera                                     | Bunium persicum      | MFP | Forest | Natural | Plenty | Rare | Useful in treatment of gastro intenstinal illnesses,including diarrhea & inflammatory bowel disease.                                                                        | Seeds                   |
| Herb  | Rumkath, Budarkath<br>(Gidar Tambakoo)         | Verbascum thapsus    | MFP | Forest | Natural | Plenty | Rare | Useful to treat pulmonary<br>problems ,inflammatory<br>diseases,asthma,diarrhoea & migraine<br>headaches.                                                                   | Leaves                  |
|       | Kuhushbondhri (Gas<br>plant)                   | Dictamnus albus      | MFP | Forest | Natural | Plenty | Rare | The plant is used both internally & externally in the treatment of skin diseases ( especially scabies & eczema), arthritic pain & jaundice.                                 | Leaves, Bark &<br>Root  |
| Tree  | Khareu                                         | Ilex dipyrena        | MFP | Forest | Natural | Plenty | Rare | Moderate sized evergreen tree with light<br>gray smooth bark. Close grained with a<br>preety silver grain, the wood is used for<br>fuel.                                    | Flower, Leaf &<br>Fruit |
| Herb  | Kasnil Hand                                    | Cichorium intybus    | MFP | Forest | Natural | Plenty | Rare | Useful in treatment of liver<br>disorders,diabetes,jaundice,gout,Rh                                                                                                         | Flowers                 |
| Herb  | Pambechalan/chukri                             | Rheum emodi          | MFP | Forest | Natural | Plenty | Rare | Used in various traditional systems as laxative,tonic,fever,cough,indigestion & menstrual disorders.                                                                        | Roots                   |
| Tree  | Zum                                            | Prunus cormuta       | MFP | Forest | Natural | Plenty | Rare | Helpful in the treatment of cancer.                                                                                                                                         | Timber                  |
| Herb  | Neelkanth                                      | Ajuga bracteosa      | MFP | Forest | Natural | Plenty | Rare | Useful in the treatment of agues,the juice of the root is used in the treatment of diarrhoea & dysentery,leaves are used in treatment of fevers as a substitute for quinine | Roots                   |
| Herb  | Bergeur,Gandana                                | Achillea millifolium | MFP | Forest | Natural | Plenty | Rare | used in folk medicines to treat<br>inflammation,pain & gastrointestinal<br>disorders.                                                                                       | Aerial plant parts      |

| Herb    | Choru/Chohori | Angelica glauca Edgw                    | MFP     | Forest | Natural | Plenty | Rare | Used in Dyspepsia,constipations,ulcer of plate,Dysentry, Roots are used as a drug wound and gastric pains                                            | Roots                     |
|---------|---------------|-----------------------------------------|---------|--------|---------|--------|------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Herb    | Cow Parsnip   | Heracleum candicans<br>Wallich ex Benth | MFP     | Forest | Natural | Plenty | Rare | The roots are a very good source of xanthotoxin ,which is used in the prepration of suntan lotions & to some extent for the treatment of leucoderma. | Roots                     |
| Climber | Agranth       | Hedera nepaiensis K.<br>Koch            | MFP     | Forest | Natural | Plenty | Rare | Used for cure of benign wart, anti-<br>inflamatory & anti-arthritic properties.                                                                      | Leaves                    |
| Shrub   | Bakru         | Lonicera<br>quinquelocularis<br>Hardew  | MFP     | Forest | Natural | Plenty | Rare | Used for turnery & carving, also used for walking sticks.                                                                                            | Stem.,Braches             |
| Shrub   | Chalander     | Viburnum grandiflorum<br>Wallich ex DC  | MFP     | Forest | Natural | Plenty | Rare | Used as laxative & blood purifier,also<br>used to reduce muscular cramps.                                                                            | Fruit                     |
| Herb    |               | Galium aparine L                        | MFP     | Forest | Natural | Plenty | Rare | used as diuretic,used to treat swollen<br>lymph glands, tonsillitis and throat<br>infections.                                                        | Leaves,Stem               |
| Herb    | Mushkbala     | Valeriana jatamansi<br>Jones            | MFP     | Forest | Natural | Plenty | Rare | useful for epilepsy,hysteria,skin diseases &<br>nervous unrest.                                                                                      | Dried roots &<br>Rhizomes |
| Tree    | Fir           | Abies pindrow Spach                     | CONIFER | Forest | Natural | Plenty | Rare | used for treating fever, wheezing cough & cold.                                                                                                      | Seeds, Timber             |
| Tree    | Deodar        | Cedrus deodara (Roxb)<br>G. Don         | CONIFER | Forest | Natural | Plenty | Rare | used in neurological<br>disorders,asthma,fever,arthritis &<br>headache.                                                                              | Seeds ,Timber oil         |
| Tree    | Spruce        | Picea smithiana (Wall.)<br>Boiss        | CONIFER | Forest | Natural | Plenty | Rare | used in pulp industry to make paper,also<br>used for construction shingles,crates &<br>household purposes.                                           | Seeds,Timber              |
| Tree    | Kail          | Pinus wallichiana<br>Jackson            | CONIFER | Forest | Natural | Plenty | Rare | usful in treating burning of the body,cough,fainting & ulcers.                                                                                       | Timber                    |
| Herb    | Gentheer      | Adiantum capillus-<br>veneris L         | MFP     | Forest | Natural | Plenty | Rare | used for antibacterial,anti-<br>implantation,antihyperglycemic.                                                                                      | Leaves                    |

| Herb  | Sapp Guggal     | Arisaema flavum<br>(Forsskal) Schott         | MFP | Forest | Natural | Plenty | Rare | used in the treatment of chronic tracheitis,<br>bronchiectasis, tetanus and epilepsy                                                      | Leaves,Tubers  |
|-------|-----------------|----------------------------------------------|-----|--------|---------|--------|------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Herb  | Deela           | Cyperus rotundus L                           | MFP | Forest | Natural | Plenty | Rare | Malaria,diarrhea,dibaties                                                                                                                 | Rhizomes,Roots |
| Herb  | Drub            | Cynodon dactylon (L)<br>Pers                 | MFP | Forest | Natural | Plenty | Rare | used as a laxatie,coolant,expectorant, & as<br>a brain &<br>hert tonic used for all types of bleedings &<br>skin troubles.                | Whole plant    |
| Herb  | Palain          | Dichanthium annulatum<br>Stapf               | MFP | Forest | Natural | Plenty | Rare | commonly used as a fodder grass.                                                                                                          | Whole plant    |
| Herb  | Kai             | Saccharum spontaneum<br>L                    | MFP | Forest | Natural | Plenty | Rare | useful in treatment of dyspepsia,burning<br>sensation,<br>piles,sexual weakness,gynecological<br>troubles,respiratory troules.            | Flowers,Grass  |
| Shrub | Vethur          | Juniperus communis<br>Linn                   | MFP | Forest | Natural | Plenty | Rare | used as anti-diarrhoeal,anti-<br>inflammatory,astringent &<br>antiseptic & also used for the treatment of<br>various abdominal disorders. | Stem           |
| Tree  | Postul/Brahmi   | Taxus baccata L                              | B/L | Forest | Natural | Plenty | Rare | useful for treating common cold,cough,fever & pain.                                                                                       | Leaves,Bark    |
| Herb  | Gul-e-sanobar   | Geranium wallichianum<br>D. Don. Ex Sweet    | MFP | Forest | Natural | Plenty | Rare | used as a cure fortoothache and has been<br>applied externally to the eyes.                                                               | Roots,Bark     |
| Herb  | Chuku           | Oxalis corniculata L                         | MFP | Forest | Natural | Plenty | Rare | used in the treatment of influenza, fever, urinary tract infections & poisonous snake bites.                                              | Whole plant    |
| Herb  | Hillu           | Impatiens glandulifera<br>Royle              | MFP | Forest | Natural | Plenty | Rare | It is one of the Bach flower<br>remedies flower extracts used as herbal<br>remedies for physical & emotional<br>problems.                 | Flower         |
| Shrub | Sanglidhoop     | Skimmia anquetilia N.P<br>Taylor & Airy Shaw | MFP | Forest | Natural | Plenty | Rare | used for treatment of swellings,rheumatism<br>& therapy.<br>Powder of its bark is used for the healing<br>of burns & wounds.              | Leaves         |
| Shrub | Beri            | Zizyphus oxyphylla<br>Edgw                   | MFP | Forest | Natural | Plenty | Rare | used to treat diabetes, fever, dysentery, as<br>well as blood & skin diseases                                                             | Fruit          |
| Tree  | Horse chest nut | Aesulus hippocastanum<br>L                   | B/L | Forest | Natural | Plenty | Rare | used for treatment of<br>dysentry,bronchitis,hemorrhoids.                                                                                 | Leaves         |
| Tree  | Kanjal          | Acer caesium Wallich ex<br>Brandis           | B/L | Forest | Natural | Plenty | Rare | used for treatment of muscular<br>swelling,boils & pimples                                                                                | Leaves         |

| Herb  | Ban Tambaku      | Verbascum thapsus L                        | MFP | Forest | Natural | Plenty | Rare                 | Inflammatory<br>diseases,asthma,cough,diarrhoea                      | Leaves          |
|-------|------------------|--------------------------------------------|-----|--------|---------|--------|----------------------|----------------------------------------------------------------------|-----------------|
| Herb  | Neelkanth        | Ajuga bracteosa Wall ex<br>Benth           | MFP | Forest | Natural | Plenty | Rare                 | Treats agues, diarrhoea& dysentery                                   | Leaf            |
| Herb  | Jungli Pudina    | Mentha arvensis L                          | MFP | Forest | Natural | Plenty | Rare                 | As a food, stomach problem & allergy                                 | Leaves          |
| Herb  | Vena             | Mentha longifolia (L)<br>Hudson            | MFP | Forest | Natural | Plenty | Endangered           | Respraitory ailments, treat wounds                                   | Leaves          |
| Herb  | Kal viuth        | Prunella vulgaris L                        | MFP | Forest | Natural | Plenty | Rare                 | Protect against cancer, herpes                                       | Leaves          |
| Shrub | Sheshak          | Rabdosia rugosa (Wall<br>ex Benth) Hara    | MFP | Forest | Natural | Plenty | Rare                 | Remedy of helminthiosis, in live stocks                              | Leaves          |
| Herb  | Kashmir sage     | Salvia hians Royle ex<br>Benth             | MFP | Forest | Natural | Plenty | Rare                 | Heal eye infections                                                  | Aerial Parts    |
| Herb  | Gaddo            | Salvia moorcroftiana<br>Wall               | MFP | Forest | Natural | Plenty | Rare                 | Gas, gastritis, heart burn                                           | Roots           |
| Shrub | Kanhaji          | Sorbaria tomentosa<br>Rehder               | MFP | Forest | Natural | Plenty | Rare                 | Ornamental, stimulate, respiration                                   | Whole Plant     |
| Herb  | DhadKopdi        | Bergenia stracheyi<br>(H.F.T) Engl         | MFP | Forest | Natural | Plenty | Rare                 | kidney & gall bladder stone                                          | Roots           |
| Herb  | Dand jari        | Rhodiola himalensis<br>(D.Don) S.H. Fu     | MFP | Forest | Natural | Plenty | Rare                 | Help the body to resist physical, chemical & environmental stress    | Bark            |
| Herb  | Kuuppad jari     | Sedum ewersii Ledeb                        | MFP | Forest | Natural | Plenty | Rare                 | Herbal remedy for diptheria, ring worm,<br>treats pimples, acne etc. | Whole plant     |
| Shrub | Anar             | Punica granatum L                          | MFP | Forest | Natural | Plenty | Rare                 | Treatment of cancer, osteo-arthritic                                 | Whole plant     |
| Herb  | Wallichos willow | Epilobium latifolium L                     | MFP | Forest | Natural | Plenty | Common<br>Vulnerable | Analgesic,anti-dote                                                  | Whole plant     |
| Tree  | Ringkul          | Crataegus songarica G.<br>Koch             | B/L | Forest | Natural | Plenty | Rare                 | Pulmonary disesses                                                   | Whole plant     |
| Herb  | Wild Straberry   | Fragania nubicola Lindl<br>ex Lacalta      | MFP | Forest | Natural | Plenty | Rare                 | As food, treats profuse mensuration                                  | Fruit           |
| Tree  | Haadi            | Prunus armeniaca L                         | B/L | Forest | Natural | Plenty | Rare                 | Antisposmodic, chronic bronchitis                                    | Whole plant     |
| Herb  | Patrishi         | Aconitum heterophyllum<br>Wallich ex Royle | MFP | Forest | Natural | Plenty | Rare                 | Treats reproductive disorders                                        | Not Available   |
| Herb  | Tatnu            | Caltha palustris L                         | MFP | Forest | Natural | Plenty | Rare                 | Treatment of fits & anemia                                           | Leaves,Stem     |
| Herb  |                  | Ipomaea purpurea Roth                      | MFP | Forest | Natural | Plenty | Rare                 | Mental disorders,constipations                                       | Seeds           |
| Herb  |                  | Cuscuta europaea L                         | MFP | Forest | Natural | Plenty | Rare                 | Herbal medicine,tonic for liver & kidney                             | Seeds,vegitable |
| Herb  |                  | Cuscuta reflexa Roxb                       | MFP | Forest | Natural | Plenty | Rare                 | Treat difficulty in urinating,jaundice                               | Stem,Seeds      |
| Herb  | Jala-Kafal       | Atropa acuminata Royle                     | MFP | Forest | Natural | Plenty | Rare                 | used to make plasters ,in asthma                                     | Whole plant     |
| Herb  | Brand            | Phytolacca acinosa<br>Roxb                 | MFP | Forest | Natural | Plenty | Rare                 | urinary disorders, abdominal tensions                                | Leaves,Roots    |

| Herb  |        | Rheum australe D. Don                       | MFP | Forest | Natural | Plenty | Rare       | Gastritis,blood purification                                 | Rhizomes,Roots     |  |
|-------|--------|---------------------------------------------|-----|--------|---------|--------|------------|--------------------------------------------------------------|--------------------|--|
| Herb  |        | Rheum moorcroftianum<br>Royle               | MFP | Forest | Natural | Plenty | Rare       | improve memory,renal function disorder                       | Rhizomes,Roots     |  |
| Herb  | Mulain | Inula royleana DC                           | MFP | Forest | Natural | Plenty | Rare       | reduce blood pressure,perestatic movement<br>in intenstines  | Aerial Parts       |  |
| Herb  |        | Jurinea dolomiaea Boiss                     | MFP | Forest | Natural | Plenty | Rare       | loss of apetite, cold bronchitis                             | Root               |  |
| Herb  |        | Lactuca lessertiana<br>(DC) C.B Clarke      | MFP | Forest | Natural | Plenty | Rare       | curative properties                                          | Not available      |  |
| Herb  |        | Leontopodium<br>himalayanum DC              | MFP | Forest | Natural | Plenty | Rare       | used in herbal and protect over skin                         | Aerial Parts       |  |
| Herb  |        | Saussurea heteromalla<br>(D. Don) Hand Mazz | MFP | Forest | Natural | Plenty | Rare       | horse bite, oil, leucoderma & wounds                         | Leaf, root         |  |
| Herb  |        | Saussurea lappa Clarke                      | MFP | Forest | Natural | Plenty | Rare       | anti ulcer, anti cancer                                      | Root               |  |
| Herb  |        | Senecio amplexicaulis<br>Wall               | MFP | Forest | Natural | Plenty | Rare       | antifungal and phytotoxic                                    | Whole Plant        |  |
| Herb  | Jarjam | Senecio<br>chrysanthemoides DC              | MFP | Forest | Natural | Plenty | Rare       | used in eye infections                                       | Whole Plant        |  |
| Herb  |        | Senecio gradliflorus DC                     | MFP | Forest | Natural | Plenty | Rare       | used in treatment of irregular menses, ease<br>child birth   | Root               |  |
| Herb  |        | Senecio nudicaulis Ham                      | MFP | Forest | Natural | Plenty | Rare       | used in treatment of fever and skin diseases                 | Leaves             |  |
| Herb  |        | Solidago virga aurea L                      | MFP | Forest | Natural | Plenty | Rare       | used in treatment of best pain, insomnia                     | Flowers,Leaves     |  |
| Herb  |        | Sonchus arvensis Linn                       | MFP | Forest | Natural | Plenty | Rare       | used in treatment of asthma, chest diseases                  | Stems,Leaves       |  |
| Herb  |        | Sonchus asper Vill                          | MFP | Forest | Natural | Plenty | Rare       | used in treatment of skin ailments,anti-<br>bacterial        | Leaves,Stem,Tops   |  |
| Herb  |        | Sonchus oleraceus L                         | MFP | Forest | Natural | Plenty | Rare       | used for blood purifier,anti-malarial                        | Stem & Leaves      |  |
| Herb  |        | Tanacetum gracile<br>Hook. F. & T           | MFP | Forest | Natural | Plenty | Rare       | used in treatment of intestinal<br>worms,prevent miscarriage | Dried Aerial Parts |  |
| Herb  | Handh  | Taraxacum officinate<br>Weber               | MFP | Forest | Natural | Plenty | Endangered | increase urine production,,decrease pain                     | Fruits,Leaves      |  |
| Shrub |        | Lyonia ovalifolia<br>(Wallich) Drude        | MFP | Forest | Natural | Plenty | Rare       | treat skin disease,external parasite                         | Leaves& Buds       |  |
| Shrub |        | Rhododendron<br>campanulatum D. Don         | MFP | Forest | Natural | Plenty | Rare       | treat chronic rheumatism,headache                            | Leaves             |  |
| Shrub |        | Elaeagnus parvifolla<br>Wallich ex Royle    | MFP | Forest | Natural | Plenty | Rare       | anti-inflamatory anti-oxidant                                | Flowers,Seed       |  |

| Climber |        | Viscum album L                                    | MFP | Forest | Natural | Plenty | Rare | treatment of cardiac weakness,arrhythmia                       | Leaves,Stem,Pea<br>sized Berries |
|---------|--------|---------------------------------------------------|-----|--------|---------|--------|------|----------------------------------------------------------------|----------------------------------|
| Herb    |        | Euphorbia cognata<br>(Klotzsch & Garcke)<br>Boiss | MFP | Forest | Natural | Plenty | Rare | Breathing disorder,asthma                                      | Seed Stem                        |
| Herb    |        | Euphorbia rothiana<br>Spreng                      | MFP | Forest | Natural | Plenty | Rare | Rheumatism,warts,cough,asthma                                  | Stem Bark                        |
| Herb    |        | Euphorbia helioscopia L                           | MFP | Forest | Natural | Plenty | Rare | used in pharmaceutical industry.                               | Leaves, Stem,Root                |
| Herb    |        | Euphorbia wallichii<br>Hook F                     | MFP | Forest | Natural | Plenty | Rare | used against constipation                                      | Leaf,root                        |
| Shrub   |        | Sarcococca saligna<br>(D.Don) Meull Arg           | MFP | Forest | Natural | Plenty | Rare | laxative ,blood purifier & muscular<br>analgesic               | Leaf,Bark,Root                   |
| Herb    |        | Girardinia heterophylla<br>Decne                  | MFP | Forest | Natural | Plenty | Rare | used as soap/shampoo for washing,cattle<br>fodder              | Whole Plant                      |
| Herb    |        | Urtica dioica Linn                                | MFP | Forest | Natural | Plenty | Rare | urinary tract infections                                       | Root                             |
| Tree    | Brimij | Celtis australis Willd                            | B/L | Forest | Natural | Plenty | Rare | treatment of amenorrhoea, heavy menstrual bleeding & colic     | Leaves,Root                      |
| Tree    |        | Ulmus wallchiana<br>Planch                        | B/L | Forest | Natural | Plenty | Rare | used to heal body mind & skin                                  | Leaves                           |
| Herb    |        | Cannabis sativa L                                 | MFP | Forest | Natural | Plenty | Rare | used for recrational or medicinal purposes                     | Whole Plant                      |
| Herb    |        | Violacanescens Wallich                            | MFP | Forest | Natural | Plenty | Rare | used for cough .cold,flu,fever & malaria                       | Leaf,Flower                      |
| Herb    |        | Viola indica W Becker                             | MFP | Forest | Natural | Plenty | Rare | Respraitory tract congestion asthma ,sore throat               | Flowers                          |
| Herb    |        | Viola kunawarensis<br>Royle                       | MFP | Forest | Natural | Plenty | Rare | chronic bronchitic,asthma                                      | Flowers                          |
| Herb    |        | Dianthus jacquemontii<br>Edgew                    | MFP | Forest | Natural | Plenty | Rare | used to stimulates urinary system,digestive<br>system & bowels | Flowers                          |
| Herb    |        | Gypsophilla cerastioides<br>D Don                 | MFP | Forest | Natural | Plenty | Rare | used for production of photographic films                      | Not Available                    |
| Herb    |        | Lychinus indica Benth                             | MFP | Forest | Natural | Plenty | Rare | Source of soaps ,ornamentals purposes                          | Roots,Flowers                    |
| Herb    |        | Silene edgeworthii<br>Bocquet                     | MFP | Forest | Natural | Plenty | Rare | Anti-cancer,anti-fungal & anti-viral                           | Leaves                           |
| Herb    |        | Stellaria media L                                 | MFP | Forest | Natural | Plenty | Rare | cough ,cold constipation,burns                                 | Whole plant                      |
| Herb    |        | Hypericum elodeoides<br>Choisy                    | MFP | Forest | Natural | Plenty | Rare | treatment in mild to moderate depression                       | Aerial Parts                     |
| Shrub   |        | Hypericum<br>oblongifolium Choisy                 | MFP | Forest | Natural | Plenty | Rare | Hepatitis,gastric ulcers                                       | Aerial Parts                     |
| Herb    |        | Hypericum perforatum<br>L                         | MFP | Forest | Natural | Plenty | Rare | Moderate depression ,anxiety & sleep<br>disorders              | Aerial Parts                     |

|       |                  | , ,                                         |     |        |         |        |      |                                                                                            |                               |
|-------|------------------|---------------------------------------------|-----|--------|---------|--------|------|--------------------------------------------------------------------------------------------|-------------------------------|
| Herb  | Suchal           | Malva neglecta Wallr                        | MFP | Forest | Natural | Plenty | Rare | Astringent,demulcent,diuretic                                                              | Leaves,Floers,Root            |
| Herb  |                  | Geranium polyanthes<br>Edgew & H.F          | MFP | Forest | Natural | Plenty | Rare | Tumor,cosmetic,laxative & hair colour                                                      | Flower                        |
| Herb  | Gugchuk,Ringrash | Geranium pretense L                         | MFP | Forest | Natural | Plenty | Rare | cholera,diarrhoea                                                                          | Root                          |
| Shrub | Tung             | Cotinus coggygnia Scop                      | MFP | Forest | Natural | Plenty | Rare | Coagulant, fever reducer                                                                   | Leaves,Bark                   |
| Shrub |                  | Rhus succedanea L                           | MFP | Forest | Natural | Plenty | Rare | Treatment of phthisis                                                                      | Fruits                        |
| Herb  |                  | Astragalus grahamianus<br>Royle ex Benth    | MFP | Forest | Natural | Plenty | Rare | Urinary disease,respiratory,skin problems                                                  | Roots                         |
| Shrub |                  | Astragalus himalayana<br>Klotsch            | MFP | Forest | Natural | Plenty | Rare | Kidney disease,diabetes                                                                    | Gum                           |
| Shrub | Shemar           | Desmodium elegans DC                        | MFP | Forest | Natural | Plenty | Rare | used for chronic hepitites, treatment of<br>bilious ccomplaints                            | Whole Plant                   |
| Shrub |                  | Indigofera heterantha<br>Wallich ex Brandis | MFP | Forest | Natural | Plenty | Rare | branches are used as basket making it is<br>also used as fuel                              | Floers ,Branches              |
| Shrub |                  | Indigofera tinctoria L                      | MFP | Forest | Natural | Plenty | Rare | used to treat nervous disorders,asthama,<br>liver disease                                  | Flowering & Fruiting Branches |
| Herb  |                  | Trifalium fragiferum L                      | MFP | Forest | Natural | Plenty | Rare | used as green manure & flowers are used<br>to make jelly                                   | Flowers,Leaves                |
| Herb  |                  | Trifllum repens L                           | MFP | Forest | Natural | Plenty | Rare | a lincture of the leves are applied as an ointmentto Govt.                                 | Flowers,Leaves                |
| Herb  |                  | Trigonella emodi Benth                      | MFP | Forest | Natural | Plenty | Rare | Reduce fever                                                                               | Stem ,Leaves                  |
| Herb  |                  | Vicia sative Linn                           | MFP | Forest | Natural | Plenty | Rare | seeds are used to form bread, cakas,<br>biscuits                                           | Seed                          |
| Herb  |                  | Vicia sepium Linn                           | MFP | Forest | Natural | Plenty | Rare | used as nitrogen fixation used for hay or silage particulary arable silage.                | Rhizomes,Leaves               |
| Tree  |                  | Fiaus palmata Forsk                         | B/L | Forest | Natural | Plenty | Rare | used for treatment of longs & bladder<br>diseases                                          | Fruit                         |
| Tree  |                  | Monus serrate Roxb                          | B/L | Forest | Natural | Plenty | Rare | juice of the root is used as an<br>anthelmintic.wood is used for making<br>furniture       | Root ,Wood                    |
| Tree  | Akhroot          | Juglans regia Linn                          | B/L | Forest | Natural | Plenty | Rare | leaves are used in treatment of of chronic coughs,asthma & purify blood and treat diabetes | Leaves,Fruit,                 |
| Tree  |                  | Alnus nepalensis D. Don                     | B/L | Forest | Natural | Plenty | Rare | Used for making charcoal,reducing<br>swelling of leg, juice is applied on burns            | Wood,Leaves,Roots             |
| Tree  | Champ            | Alnus nitida (Spach)<br>Endl.               | B/L | Forest | Natural | Plenty | Rare | Bark is used to treat swelling & body pain                                                 | Bark                          |
| Tree  | Bhoj patra       | Betula utilis D Don                         | B/L | Forest | Natural | Plenty | Rare | Bark is used for writing lengthy scriptures<br>& texts, also used for packaging            | Bark                          |
| -     | •                |                                             |     |        | •       | •      | •    |                                                                                            |                               |

Local zamindars have got emple knowledge

| Tree  |                  | Corylus jacquemontii<br>Decne         | B/L | Forest | Natural | Plenty | Rare | seeds are used as oil                                                             | Seeds                     | with 1               |
|-------|------------------|---------------------------------------|-----|--------|---------|--------|------|-----------------------------------------------------------------------------------|---------------------------|----------------------|
| Tree  |                  | Quercus baloot Griffith               | B/L | Forest | Natural | Plenty | Rare | seeds are used in manufacturing of insecticides                                   | seeds                     | identi<br>of<br>spec |
| Tree  |                  | Populus alba L                        | B/L | Forest | Natural | Plenty | Rare | used in the treatment of<br>arthritis,gout,lower back problem and<br>reduce fever | Stem,Bark                 | well                 |
| Tree  |                  | Populus oliata Wallich<br>ex Royle    | B/L | Forest | Natural | Plenty | Rare | used as fuel wood, also useed as timber & making furniture                        | Whole Plant               |                      |
| Shrub | Willow           | Salix alba Boiss                      | MFP | Forest | Natural | Plenty | Rare | stems are used in basket making.                                                  | Stem                      | •                    |
| Shrub | Kareel- kaimbal  | Berberis aristata DC                  | MFP | Forest | Natural | Plenty | Rare | used in treament of juindice,urinary<br>disorders                                 | Root,Stem,Leaves          | •                    |
| Shrub |                  | Berberis jaeschkeana<br>C.K Schneider | MFP | Forest | Natural | Plenty | Rare | used in treatment of tumor                                                        | Rhizomes,Fruit            |                      |
| Shrub | Kaimal/Daruhaldi | Berberis lycium Royle<br>Trans Linn   | MFP | Forest | Natural | Plenty | Rare | used an immunity booster                                                          | Roots ,Stem,Bark          |                      |
| Herb  |                  | Podophyllum<br>hexandrum Royle        | MFP | Forest | Natural | Plenty | Rare | usedto treat gynecology infections                                                | Rhizomes                  |                      |
| Herb  |                  | Meconopsis aculeata<br>Royle          | MFP | Forest | Natural | Plenty | Rare | used to help heal broken bones,treaty inflammation from fractures                 | Whole Plant               |                      |
| Herb  |                  | Meconopsis latifolia<br>Prain         | MFP | Forest | Natural | Plenty | Rare | used against ulces, disorders of lungs.                                           | Flowers                   |                      |
| Herb  |                  | Corydalis cachemiriana<br>Royle       | MFP | Forest | Natural | Plenty | Rare | used for mild depression                                                          | Flowerrs,Stems,Lea<br>ves |                      |
| Herb  | Bhutyata         | Corydalis govaniana<br>Wallich        | MFP | Forest | Natural | Plenty | Rare | its drug is usd in the form of decoction                                          | Whole Plant               |                      |
| Herb  |                  | Corydalis thyrsiflora<br>Prain        | MFP | Forest | Natural | Plenty | Rare | used to treat stomach problem                                                     | Leaves,Flowers            |                      |
| Herb  |                  | Fumaria indica Pugsley                | MFP | Forest | Natural | Plenty | Rare | used as a common weed,isolation & polyherbal                                      | Whole Plant               |                      |
| Herb  |                  | Capsella bursa pastoris<br>(L) Moench | MFP | Forest | Natural | Plenty | Rare | used as a folk remedy for cancer,nose<br>bleeding                                 | Seeds,Leaves              |                      |
| Herb  |                  | Erysimum melicetae<br>Dunn            | MFP | Forest | Natural | Plenty | Rare | used in medicine food item                                                        | Seeds                     |                      |
| Herb  |                  | Iris hookeriana M.<br>Foster          | MFP | Forest | Natural | Plenty | Rare | used in aromatherapy,rhizomes given to<br>babies to help in teething              | Rhizomes                  |                      |
| Herb  |                  | Iris kashmiriana Baker                | MFP | Forest | Natural | Plenty | Rare | used in treatment of joint pains                                                  | Rhizomes                  |                      |
| Herb  |                  | Iris kemaonensis D. Don<br>ex Royle   | MFP | Forest | Natural | Plenty | Rare | flowers are used in herbal medicines                                              | Flowers                   |                      |
| Herb  |                  | Narcissus tazetta L                   | MFP | Forest | Natural | Plenty | Rare | used in treatment of boils & mastits                                              | Root                      |                      |
| Herb  |                  | Dioscorea deltoidea<br>Wal ex Kunth   | MFP | Forest | Natural | Plenty | Rare | used in treatment of digestive<br>disorders ,wound & burns                        | Rhizomes                  |                      |

Bonafide purpose

Inhabitants of the area.

| Herb  | Chingposh | Colchicum luteum Baker                       | MFP | Forest | Natural | Plenty | Rare | used as carminative & aphrodisiac,treatment of gout                    | Corm,Seeds                       |
|-------|-----------|----------------------------------------------|-----|--------|---------|--------|------|------------------------------------------------------------------------|----------------------------------|
| Herb  |           | Fritillaria roylei Hook                      | MFP | Forest | Natural | Plenty | Rare | used for healing wounds                                                | Roots                            |
| Herb  |           | Gagea elegans Wall                           | MFP | Forest | Natural | Plenty | Rare | Used in the form of infusions or decoctions.                           | Leaves                           |
| Herb  |           | Notholirion<br>thomsonianum (Royle)<br>Stapf | MFP | Forest | Natural | Plenty | Rare | Treatment of Various infectious Diseases espically intestinal.         | Flower,Leaves                    |
| Herb  |           | Polygonatum<br>multiflorum (Linn.) All       | MFP | Forest | Natural | Plenty | Rare | used in wound healing being anti-bectarial                             | Roots                            |
| Herb  |           | Polygonatum<br>verticillatum All             | MFP | Forest | Natural | Plenty | Rare | used to cure cardiptonic,aphrodisiac                                   | Tender<br>leaves,Young<br>shoots |
| Herb  |           | Trillium govanianum<br>Wall                  | MFP | Forest | Natural | Plenty | Rare | used in dysentery, wound healing,menstral<br>&sexual disorders.        | Rhiozomes,Roots                  |
| Herb  |           | Tulipa stellata Hook f                       | MFP | Forest | Natural | Plenty | Rare | Used for sinus Pain ,Hay Fever&<br>Headache.                           | Whole Plant                      |
| Herb  |           | Arisaema jacquemontii<br>Blume               | MFP | Forest | Natural | Plenty | Rare | used for the treatment of dermatological<br>disorders,used for phenols | Root                             |
| Herbs |           | Valeriana pyrolaefolia<br>decne              | MFP | Forest | Natural | Plenty | Rare | Used orally for anxiety& Psychological stress.                         | Root                             |
| Herbs |           | Dipsacus inermis Wall                        | MFP | Forest | Natural | Plenty | Rare | used in ayurvedic system of medicine                                   | Fresh & Dried<br>Leaves          |
| Herbs | Kim       | Morina Longifolia<br>Wallich ex DC           | MFP | Forest | Natural | Plenty | Rare | Stem, leaves & flowers used as digestive,<br>emetic & stomachic        | Whole Plant                      |
| Herbs |           | Achillea millefolium L                       | MFP | Forest | Natural | Plenty | Rare | above ground parts used in cold, tonic & astringent                    | Aerial Parts                     |
| Herbs |           | Ainsliaea aptera DC.                         | MFP | Forest | Natural | Plenty | Rare | roots used to relieve stomachache, acute fever & constipation          | Roots                            |
| Herbs |           | Anaphalis nubigena<br>Clarke                 | MFP | Forest | Natural | Plenty | Rare | used as aromatic & antimicrobial                                       | Aerial Parts                     |
| Herbs |           | Artemesia scoparia<br>Waldst. & Kit          | MFP | Forest | Natural | Plenty | Rare | flowers, stem seeds used as antiseptic,<br>diuretic & antipyretic      | Flowers,Stem ,Seed s             |
| Herbs |           | Artemesia gmelini Bess                       | MFP | Forest | Natural | Plenty | Rare | plants rich source of essential oil                                    | Leaf ,Stem                       |
| Herbs | Mooin     | Artemisia Maritima L.                        | MFP | Forest | Natural | Plenty | Rare | antiseptic, diuretic & antipyretic                                     | Leraves ,Flowering               |
| Herbs |           | Aster indamellus<br>Grierson                 | MFP | Forest | Natural | Plenty | Rare | as food & medicine                                                     | Leaf,Flower,Root                 |

| Herbs |           | Cirsium arvense (L)<br>Scop                       | MFP | Forest | Natural | Plenty | Rare | remedy for toothache & treament of indigestion                                              | Root                         |
|-------|-----------|---------------------------------------------------|-----|--------|---------|--------|------|---------------------------------------------------------------------------------------------|------------------------------|
| Herbs |           | Cirsium falconeri<br>(Hook.f.) Petrak             | MFP | Forest | Natural | Plenty | Rare | whole plant & roots used for treating oedema                                                | Whole Plant                  |
| Herbs |           | Dubyaea hispide DC.                               | MFP | Forest | Natural | Plenty | Rare | used to remove excess pitta dosh,treat fever.                                               | Rhizomes                     |
| Herbs |           | Echinops cornigerus DC                            | MFP | Forest | Natural | Plenty | Rare | root are aphrodisiac, whole plant<br>antipyretic & analgesic                                | Root                         |
| Herbs |           | Erigeron canadensis L.                            | MFP | Forest | Natural | Plenty | Rare | whole plant diuretic, hemostatic &<br>antidiarrheal                                         | Whole Plant                  |
| Herbs |           | Filago germanica Linn                             | MFP | Forest | Natural | Plenty | Rare | has chemical, biological & toxicological properties                                         | Fruit                        |
| Herbs |           | Galinsoga parviflora<br>Cav                       | MFP | Forest | Natural | Plenty | Rare | used for treatment of nettle sting & similar skin inflammation                              | Leaves                       |
| Herbs |           | Gnaphalium luteo<br>album Linn                    | MFP | Forest | Natural | Plenty | Rare | antibacterial, antifungal, antioxidalt                                                      | Leaves                       |
| Shrub | Shutenger | Rhododendron<br>anthopogon D. Don                 | MFP | Forest | Natural | Plenty | Rare | treatment of constipation, didysentry, fever                                                | Leaves                       |
| Herbs |           | Anagallis arvensis Linn                           | MFP | Forest | Natural | Plenty | Rare | whole plant used as expectorant,<br>dropsy,diuractic,purgative                              | Whole Plant                  |
| Herbs |           | Androsace rotundifolia<br>Hardw.                  | MFP | Forest | Natural | Plenty | Rare | dried plant used against bronchitis,<br>asthma,cough                                        | Dried Plant                  |
| Herbs |           | Primula rosea Royle                               | MFP | Forest | Natural | Plenty | Rare | asthma & digestive problems                                                                 | Flower,Leaves                |
| Tree  |           | Fraxinus excelsior L.                             | B/L | Forest | Natural | Plenty | Rare | bark & leaf used against fever, gout,<br>arthritis                                          | Bark,Leaf                    |
| Herbs |           | Jasminium grandiflorum<br>L.                      | MFP | Forest | Natural | Plenty | Rare | used for treating wounds, skin disease,<br>ulcers,headache                                  | Not Available                |
| Herbs |           | Jasminium humile L                                | MFP | Forest | Natural | Plenty | Rare | root juice used against ringworm, flowers<br>used to cure intestinal problems               | Root,Flower                  |
| Tree  | Kahu      | Olea cuspidata Wallich<br>ex G. Don               | B/L | Forest | Natural | Plenty | Rare | bark used for fracture, leave use for treatment of malaria, UTI                             | Bark,Leaves                  |
| Shrub |           | Buddleja paniculata<br>Wall                       | MFP | Forest | Natural | Plenty | Rare | used for treatment of skin disease, malaria                                                 | Leaves                       |
| Herbs |           | Gentiana carinata<br>Griseb                       | MFP | Forest | Natural | Plenty | Rare | used against diarrhea, loss of appetite,<br>heart burn                                      | Root                         |
| Herbs |           | Gentiana Kuroo Royle                              | MFP | Forest | Natural | Plenty | Rare | rhizome is antihelminthic,<br>diaphoretic,digestive tonic                                   | Rhizomes                     |
| Herbs | Kazuban   | Arnebia benthamii<br>(Wall. Ex G.Don)<br>Johnston | MFP | Forest | Natural | Plenty | Rare | used as red clour to food, oil & fats,<br>plantalso used as diuretic, expectorant,<br>tonic | Flowering, Shoots<br>& Roots |
| Herbs |           | (Royle) Kazmi                                     | MFP | Forest | Natural | Plenty | Rare | use to manage disorders like<br>hapatotoxicity                                              | Not Available                |

|       |                      | 1                           |     |        |         |        | 1    |                                                                              |                |
|-------|----------------------|-----------------------------|-----|--------|---------|--------|------|------------------------------------------------------------------------------|----------------|
| Grass | Congress grass /Jadi | Parthenium<br>hysterophorus | MFP | Forest | Natural | Plenty | Rare | Commercial enzymes<br>production,biopesticides,green manure &<br>composte    | Weed           |
| Tree  | Trikanni             | Acer pictum                 | B/L | Forest | Natural | Plenty | Rare | Use as food ,medicine,ornamental & source of wood                            | Whole plant    |
| Tree  | Bren                 | Ulmus villosa               | B/L | Forest | Natural | Plenty | Rare | Medicinal ,aeromatic,anti-<br>inflammatory,furniture                         | Bark,Leaves    |
| Tree  | Bankhoor             | Aesculus indica             | B/L | Forest | Natural | Plenty | Rare | Treatment of skin diseae, Rh, astringent, narcotic, relef of headache        | Leaves,Flowers |
| Herb  | Hamesh-Bahar         | Calendula officinalis       | MFP | Forest | Natural | Plenty | Rare | Applied on Skin disease,Burns                                                | Flower,leaf    |
| Tree  | Feku                 | Ficus Palmata               | B/L | Forest | Natural | Plenty | Rare | Skin diseases,contipation                                                    | Fruit          |
| Herb  | Banafsha             | Viola odorata               | MFP | Forest | Natural | Plenty | Rare | Throat problem,Cold,cough                                                    | Flower         |
| Herb  | Nirbisha             | Delthinium<br>drunonianum   | MFP | Forest | Natural | Plenty | Rare | Diabetes                                                                     | Whole Plant    |
| Shrub | Tutfoor,Rachi        | Ephedra gegardina           | MFP | Forest | Natural | Plenty | Rare | Asthma,Cardic<br>Stimulate,Allergy,Respiratory Disorder                      | Twigs          |
| Herb  | Tengu,Tyangu         | Hyssopus officinalis        | MFP | Forest | Natural | Plenty | Rare | Substitute for saffron,Liver & Blood<br>Disorder                             | Flower         |
| Fungi |                      | Morchella conica            | MFP | Forest | Natural | Plenty | Rare | Indigestion,phlegm,shortness of breath                                       | Whole part     |
| Fungi |                      | Morchilla esculenta         | MFP | Forest | Natural | Plenty | Rare | Edible,laxative,Body tonic,stomach problem,economical beneficial             | Whole part     |
| Fungi |                      | Aricus campestris           | MFP | Forest | Natural | Plenty | Rare | treatment of cancer, Type-2 diabetes, high-<br>cholestrol, digestive problem | Whole part     |
| Fungi |                      | Agaricusmacrocarpus         | MFP | Forest | Natural | Plenty | Rare | Intoxicating drink,edible                                                    | Whole part     |
| Fungi |                      | Cantharellus cibarius       | MFP | Forest | Natural | Plenty | Rare | Anti-microbial,cytotoxity,Anti-<br>oxidant,wound healing                     | Whole part     |
| Fungi |                      | Coprinus atramentarius      | MFP | Forest | Natural | Plenty | Rare | Balancing blood sugar level,diabetes properties                              | Whole part     |
| Fungi |                      | Caprinus comatus            | MFP | Forest | Natural | Plenty | Rare | Mimics insulin                                                               | Whole part     |
| Fungi |                      | Schizophyllum commune       | MFP | Forest | Natural | Plenty | Rare | Anti-cancer activity,edible                                                  | Whole part     |
| Fungi | Datura               | Geatrum triplex             | MFP | Forest | Natural | Plenty | Rare | Analgesic,anti-inflammatory,treatment of stomach                             | Whole part     |
| Fungi |                      | Fomes fomentarius           | MFP | Forest | Natural | Plenty | Rare | Laxative, Treatment of cancer                                                | Whole part     |
| Fungi |                      | Fomitopsis pinicola         | MFP | Forest | Natural | Plenty | Rare | Anti-tumor,anti-bacterial,anti-viral                                         | Whole part     |
| Fungi |                      | Ganoderma applanatum        | MFP | Forest | Natural | Plenty | Rare | Cancer treatment, diabetics                                                  | Whole part     |
| Fungi |                      | Ganoderma lucidum           | MFP | Forest | Natural | Plenty | Rare | anti-inflammation, Analgesic, Anti-becterial                                 | Whole part     |
| Fungi |                      | Trametes versicolor         | MFP | Forest | Natural | Plenty | Rare | Enhance the health of immune system                                          | Whole part     |

| Fungi | Sparassis crispa         | MFP | Forest | Natural | Plenty | Rare | Anti-tumor,Anti-inflammatory,Anti-<br>allergic            | Whole part      |
|-------|--------------------------|-----|--------|---------|--------|------|-----------------------------------------------------------|-----------------|
| Fungi | Pleurotus spp.           | MFP | Forest | Natural | Plenty | Rare | Anti- Tuber,anti- genotoxic,Anti-oxidant                  | Whole part      |
| Herb  | Amaranthus viridis       | MFP | Forest | Natural | Plenty | Rare | Treatment of fever, pain, asthma                          | Whole part      |
| Herb  | Allium cepa              | MFP | Forest | Natural | Plenty | Rare | Antiinflammatory, antiseptic                              | Bulb, Leaves    |
| Herb  | Allium humile kunth      | MFP | Forest | Natural | Plenty | Rare | Treatment of cholera, dysentry, cought                    | Bulbs           |
| Herb  | Allium sativum           | MFP | Forest | Natural | Plenty | Rare | Fever, diabetics, swellings                               | Bulbs           |
| Herb  | Allium semenovii         | MFP | Forest | Natural | Plenty | Rare | Reduce blood calastrol level                              | Bulbs           |
| Herb  | Bupleurum<br>bupjucundum | MFP | Forest | Natural | Plenty | Rare | Respiratory infection, swine flu                          | Aerial Part     |
| Herb  | Bupleurum longifolium    | MFP | Forest | Natural | Plenty | Rare | Respiratory infection, swine flu                          | Aerial Part     |
| Herb  | Coriandrum sativum       | MFP | Forest | Natural | Plenty | Rare | Measals, hemorrhoits, toothache & joint pain              | Leaves, Seeds   |
| Herb  | Oenanthe javanica        | MFP | Forest | Natural | Plenty | Rare | Joundice, abdomnal pain                                   | Whole part      |
| Herb  | Pleurosermum brunonis    | MFP | Forest | Natural | Plenty | Rare | To cure skin infections, joundice, insect repllents       | Flowers         |
| Herb  | Pleurosermum stellatum   | MFP | Forest | Natural | Plenty | Rare | To make black or red dye, water proof black ink           | Flowers         |
| Herb  | Aralia cachemirica       | MFP | Forest | Natural | Plenty | Rare | To treat RH, Nephritis, Gastritis, inflammation           | Whole part      |
| Herb  | Arisaema propinquum      | MFP | Forest | Natural | Plenty | Rare | Uses in snake bite, RH                                    | Rhizomes        |
| Herb  | Begonia rubella          | MFP | Forest | Natural | Plenty | Rare | Cure arthrites & common join pain                         | Whole part      |
| Herb  | Hackelia uncinata        | MFP | Forest | Natural | Plenty | Rare | Used to cure fractured bones                              | Leaves, Flowers |
| Herb  | Myosotis alpestris       | MFP | Forest | Natural | Plenty | Rare | Lotion for wounds nose bleed                              | Whole part      |
| Herb  | Onosma hispidum          | MFP | Forest | Natural | Plenty | Rare | Used as food & medicine, wounds                           | Roots           |
| Herb  | Alliaria petiolata       | MFP | Forest | Natural | Plenty | Rare | Treatment of bronchitis,asthma,& Rh                       | Whole part      |
| Herb  | Arabis bijuga            | MFP | Forest | Natural | Plenty | Rare | Gastro-intestinal problems,dysentry & stomach ache        | Whole part      |
| Herb  | Hesperis matronalis      | MFP | Forest | Natural | Plenty | Rare | Treatment of Scurvy,oil used in perfumery                 | Leaves, Flowers |
| Herb  | Lepidium virginicum      | MFP | Forest | Natural | Plenty | Rare | To treat vitamin-C deficency,pains & diabetes             | Whole part      |
| Herb  | Raphanus sativus         | MFP | Forest | Natural | Plenty | Rare | To treat constipation, chronic tracheitis & hypertension  | Leaves root     |
| Herb  | Sisymbrium irio          | MFP | Forest | Natural | Plenty | Rare | Edible, Treat cough & chest congestion, Rh & clean wounds | Leaves, Flowers |
| Herb  | Thlaspi arvense          | MFP | Forest | Natural | Plenty | Rare | Antidote,Blood tonic                                      | Seed, Leaf      |
| Herb  | Thlaspi cochleariforme   | MFP | Forest | Natural | Plenty | Rare | Treated chronic problems related to menses                | Leaves, Flowers |
| Shrub | Sarcococca pruniformis   | MFP | Forest | Natural | Plenty | Rare | Laxative,blood purifier                                   | Leaves, Root    |

| Herb  |           | Codonopsis clematidea                               | MFP | Forest | Natural | Plenty | Rare | Increase red & white blood cells counts & promote blood circulation | Leaves, Flowers |
|-------|-----------|-----------------------------------------------------|-----|--------|---------|--------|------|---------------------------------------------------------------------|-----------------|
| Herb  |           | Codonopsis ovata                                    | MFP | Forest | Natural | Plenty | Rare | Treatment of ulcers & wounds                                        | Leaves, Flowers |
| Herb  |           | Cyananthus lobatus                                  | MFP | Forest | Natural | Plenty | Rare | Laxative, treatment of serous disorders & constipation              | Leaves, Root    |
| Shrub |           | Lonicera oblate                                     | MFP | Forest | Natural | Plenty | Rare | Used for digestive disorders,including pain & swelling              | Aerial Part     |
| Shrub |           | Scabiosa speciosa                                   | MFP | Forest | Natural | Plenty | Rare | To treat heel cracks, liver diseases                                | Leaves          |
| Herb  |           | Arenaria bryophylla<br>Fernald                      | MFP | Forest | Natural | Plenty | Rare | useful in diarrhoea & vomiting                                      | Aerial Part     |
| Herb  |           | Cerastium cerastoides<br>(L.) Britton               | MFP | Forest | Natural | Plenty | Rare | Anti bacterial activity                                             | Flowers, stem   |
| Herb  |           | Dianthus angulatus<br>Baumg                         | MFP | Forest | Natural | Plenty | Rare | Used as a tonic for urinary system,digestive system & bowls         | Leaves          |
| Herb  |           | Anaphalis nepalensis<br>(Spreng.) HandMazz.         | MFP | Forest | Natural | Plenty | Rare | Respiratory problems including asthma, cough etc.                   | Flowers         |
| Herb  |           | Anaphalis triplinervis<br>(Sims) C. B. Clarke       | MFP | Forest | Natural | Plenty | Rare | Emilepsy, laceration of toes & wounds                               | Flowers         |
| Herb  |           | Anaphalis<br>margaritaceae L.                       | MFP | Forest | Natural | Plenty | Rare | Diarrhoea, dysentry, Rh, joints                                     | Flowers         |
| Herb  |           | Artemisia dubia Wall.                               | MFP | Forest | Natural | Plenty | Rare | Cuts & wounds                                                       | Leaves          |
| Herb  |           | Artemisia scoparia<br>Waldst. & Kitam.              | MFP | Forest | Natural | Plenty | Rare | Anticeptic, Antipyretic                                             | Leaves          |
| Herb  |           | Artemisia vestita Wall.<br>ex Besser                | MFP | Forest | Natural | Plenty | Rare | Inflammatory diseases                                               | Leaves          |
| Herb  |           | Aster diplostephioides<br>(DC.) C. B. Clarke        | MFP | Forest | Natural | Plenty | Rare | Traditional Medicines                                               | Flowers         |
| Herb  |           | Aster falconeri (C. B.<br>Clarke) Hutch.            | MFP | Forest | Natural | Plenty | Rare | Traditional Medicines                                               | Flowers, Root   |
| Herb  |           | Aster flaccidus Bunge                               | MFP | Forest | Natural | Plenty | Rare | Tuberculosis & pertussis                                            | Flowers, Root   |
| Herb  |           | Aster molliusculus<br>(Lindl. ex DC.)<br>C.B.Clarke | MFP | Forest | Natural | Plenty | Rare | Antibacterial, skin infection, ulcers & wounds                      | Flowers, Root   |
| Herb  |           | Cicerbita macrorhiza<br>(Royle) Beauverd            | MFP | Forest | Natural | Plenty | Rare | Fever                                                               | Whole part      |
| Herb  |           | Gnaphalium stewartii<br>C.B.Clarke                  | MFP | Forest | Natural | Plenty | Rare | Sciatica, Rh pain                                                   | Leaves, Flowers |
| Herb  | Sunflower | Helianthus annuus L.                                | MFP | Forest | Natural | Plenty | Rare | High fever, snake bite                                              | Leaf, Seed      |

| Herb    | Pushkarmula | Inula grandiflora Willd.                                | MFP | Forest | Natural | Plenty | Rare | Chronic bronochits & Rh                          | Rhizomes        |
|---------|-------------|---------------------------------------------------------|-----|--------|---------|--------|------|--------------------------------------------------|-----------------|
| Herb    | Gomchooi    | Ligularia fischeri<br>(Ledeb.) Turcz.                   | MFP | Forest | Natural | Plenty | Rare | Jaundice,Rh,Hepatic disease                      | Leaves, Flowers |
| Herb    |             | Sonchus asper (L.) Hill                                 | MFP | Forest | Natural | Plenty | Rare | Anti-bacterial & Anti-fungal                     | Leaves          |
| Herb    |             | Tanacetum<br>dolichophyllum Kitam.                      | MFP | Forest | Natural | Plenty | Rare | Fever, migrana, headache, Rh                     | Flowers         |
| Herb    |             | Tussilago farfara L.                                    | MFP | Forest | Natural | Plenty | Rare | Disorder of the respiratory tract, skin, cold    | Leaf            |
| Herb    |             | Waldheimia glabra<br>(Decne.) Regel                     | MFP | Forest | Natural | Plenty | Rare | Influenza virus & anti complementry extract      | Leaves, Flowers |
| Herb    |             | Waldheimia tomentosa<br>(Decne.) Regel                  | MFP | Forest | Natural | Plenty | Rare | Stomach ache problem                             | Leaves, Flowers |
| Herb    |             | Youngia japonica (L.)<br>DC.                            | MFP | Forest | Natural | Plenty | Rare | Boils & snake bites                              | Leaves, Flowers |
| Herb    |             | Rhodiola heterodonta<br>(Hook. f. & Thomson)<br>Boriss. | MFP | Forest | Natural | Plenty | Rare | Anxiety, fituge & dipression                     | Rhizomes        |
| Herb    |             | Rhodiola wallichiana<br>(Hook.) S.H. Fu                 | MFP | Forest | Natural | Plenty | Rare | Anxiety, fituge & dipression                     | Leaves, Flowers |
| Herb    |             | Rosularia alpestris<br>(Kar. & Kir.) Boriss.            | MFP | Forest | Natural | Plenty | Rare | Ornamental garden plants, Traditional Medicines  | Whole part      |
| Climber |             | Cucumis sativus L.                                      | MFP | Forest | Natural | Plenty | Rare | Blemished skin, heart rash, burns, sores         | Whole part      |
| Climber |             | Cucurbita pepo L.                                       | MFP | Forest | Natural | Plenty | Rare | Anti inflamentry, anti viral, anti ulcer         | Whole part      |
| Shrub   |             | Datisca cannabina L.                                    | MFP | Forest | Natural | Plenty | Rare | Treatment of Rh                                  | Root            |
| Herb    |             | Equisetum arvense L.                                    | MFP | Forest | Natural | Plenty | Rare | Stop bleeding, heal ulcer & wounds               | Whole part      |
| Shrub   |             | Gaultheria trichophylla<br>Royle                        | MFP | Forest | Natural | Plenty | Rare | Anti oxidant & anti inflamentry                  | Whole part      |
| Herb    |             | Euphorbia cornigera<br>Boiss.                           | MFP | Forest | Natural | Plenty | Rare | Breathing disorders including asthma, bronchitis | Leaves, Flowers |
| Herb    |             | Euphorbia thomsoniana<br>Boiss.                         | MFP | Forest | Natural | Plenty | Rare | Breathing disorders including asthma, bronchitis | Leaves, Flowers |
| Tree    |             | Quercus baloot Griff.                                   | B/L | Forest | Natural | Plenty | Rare | Anti bacterial potential                         | Whole part      |
| Tree    |             | Quercus semecarpifolia<br>Sm.                           | B/L | Forest | Natural | Plenty | Rare | Diarrhoea, dysentry                              | Whole part      |
| Herb    |             | Gentiana cachemirica<br>Decne.                          | MFP | Forest | Natural | Plenty | Rare | Digession problem                                | Leaves, Flowers |
| Herb    |             | Gentiana ornata<br>(D.Don) Wall. ex<br>Griseb.          | MFP | Forest | Natural | Plenty | Rare | Diarrhoea, dysentry                              | Leaves, Flowers |
| Herb    |             | Gentiana phyllocalyx<br>C.B Clarke                      | MFP | Forest | Natural | Plenty | Rare | Diarrhoea, dysentry                              | Leaf, sepal     |

| Herb  | Gentiana tianschanica<br>Rupr. ex Kusn.                      | MFP | Forest | Natural | Plenty | Rare | Digession problem                               | Whole part      |
|-------|--------------------------------------------------------------|-----|--------|---------|--------|------|-------------------------------------------------|-----------------|
| Herb  | Gentianella<br>moorcroftiana (Wall. ex<br>Griseb.) Airy Shaw | MFP | Forest | Natural | Plenty | Rare | Cold cough, nausa                               | Leaf            |
| Herb  | Jaeschkea oligosperma<br>Knobl.                              | MFP | Forest | Natural | Plenty | Rare | Traditional Medicines                           | Whole part      |
| Herb  | Swertia ciliata (D. Don<br>ex G. Don) B.L. Burtt             | MFP | Forest | Natural | Plenty | Rare | Skin diseases, cancer                           | Whole part      |
| Herb  | Swertia petiolata Royle<br>ex D.Don                          | MFP | Forest | Natural | Plenty | Rare | Inflammation of the liver & high blood pressure | Whole part      |
| Herb  | Swertia speciosa G.Don                                       | MFP | Forest | Natural | Plenty | Rare | Asthma, liver disorder                          | Root            |
| Herb  | Erodium cicutarium L.<br>(L.) Her                            | MFP | Forest | Natural | Plenty | Rare | Typhoid, fever                                  | Whole part      |
| Herb  | Geranium lambertii<br>Sweet                                  | MFP | Forest | Natural | Plenty | Rare | Skin problem, reduces strss                     | Dried leaves    |
| Herb  | Geranium himalayense<br>Klotzsch                             | MFP | Forest | Natural | Plenty | Rare | Garden uses, beds & borders                     | Whole part      |
| Herb  | Geranium nepalense<br>Sweet                                  | MFP | Forest | Natural | Plenty | Rare | Nervous diseseas, pains, Rh                     | Whole part      |
|       | Geranium pusillum L.                                         | MFP | Forest | Natural | Plenty | Rare | Used as an Anodyne, Astringent                  | Whole part      |
| Herb  | Geranium rotundifolium<br>L.                                 | MFP | Forest | Natural | Plenty | Rare | Used as an Anodyne, Astringent                  | Whole part      |
| Herb  | Geranium wallichianum<br>D.Don ex Sweet                      | MFP | Forest | Natural | Plenty | Rare | Peptic ulcers, cure toothache                   | Whole part      |
| Shrub | Ribes nigrum L.                                              | MFP | Forest | Natural | Plenty | Rare | Useful in allergy, fatigue, rhimities           | Whole part      |
| Shrub | Ribes himalense Royle<br>ex Decne.                           | MFP | Forest | Natural | Plenty | Rare | Used as food & medicine                         | Fruit           |
| Herb  | Hypericum japonicum<br>Thunb.                                | MFP | Forest | Natural | Plenty | Rare | Asthama & dycenty                               | Leaves, Flowers |
| Shrub | Philadelphus<br>tomentosus wall ex G.<br>Don                 | MFP | Forest | Natural | Plenty | Rare | Traditional Medicines                           | Leaves, Flowers |
| Herb  | Ajuga integrifolia<br>BuchHam.                               | MFP | Forest | Natural | Plenty | Rare | Diarrhea, Malaria                               | Leaf            |
| Herb  | Clinopodium vulgare L.                                       | MFP | Forest | Natural | Plenty | Rare | Overcome weak digestion                         | leaves          |
| Herb  | Elsholtzia ciliata<br>(Thunb.) Hyl.                          | MFP | Forest | Natural | Plenty | Rare | Common cold,fevers,headache                     | Whole part      |

| Shrub   |          | Isodon rugosus (Wall.<br>ex Benth.) Codd | MFP | Forest | Natural | Plenty | Rare | Tooth ache,gastric pain,                                 | Whole part      |
|---------|----------|------------------------------------------|-----|--------|---------|--------|------|----------------------------------------------------------|-----------------|
| Herb    |          | Lamium album L.                          | MFP | Forest | Natural | Plenty | Rare | Abnormal vaginal discharge, & to relieve painful periods | Leaves, Flowers |
| Herb    |          | Leonurus cardiaca L.                     | MFP | Forest | Natural | Plenty | Rare | Gynacological afflictions                                | Seed            |
| Herb    |          | Mentha arvensis L.                       | MFP | Forest | Natural | Plenty | Rare | Diarrhea & Dysentry,stomach problem                      | Leaves          |
| Herb    | Soyabean | Glycine max (L.) Merr.                   | MFP | Forest | Natural | Plenty | Rare | Treatment of oedema, dysuria                             | Seed            |
| Herb    |          | Lotus corniculatus L.                    | MFP | Forest | Natural | Plenty | Rare | Anti-inflammatory,Skin inflammation                      | Flowers         |
| Shrub   |          | Robinia pseudoacacia L.                  | MFP | Forest | Natural | Plenty | Rare | Wounds, Pain reliever                                    | Dried leaves    |
| Herb    |          | Trifolium pratense L.                    | MFP | Forest | Natural | Plenty | Rare | Antispasmodic, Anti-inflammatory                         | Leaves flower   |
| Herb    |          | Trifolium repens L.                      | MFP | Forest | Natural | Plenty | Rare | Gout, Cough, Eyewash                                     | Leaves flower   |
|         |          | Vicia rigidula Royle                     | MFP | Forest | Natural | Plenty | Rare | Weight loss                                              | Leaves flower   |
| Herb    |          | Fritillaria roylei Hook.                 | MFP | Forest | Natural | Plenty | Rare | Anti-Asthmatic, Anti- Rh                                 | Root            |
| Herb    |          | Lilium polyphyllum<br>D.Don              | MFP | Forest | Natural | Plenty | Rare | Diuretic,Anti-pyruetic                                   | Bulbs           |
| Herb    |          | Lavatera cachemiriana<br>Cambess.        | MFP | Forest | Natural | Plenty | Rare | Throat problem, mild laxative                            | Leaf, Flower    |
| Tree    |          | Ficus carica L.                          | MFP | Forest | Natural | Plenty | Rare | Respiratory problems, Anti-inflammatory                  | Fruit, leaves   |
| Tree    |          | Morus alba L.                            | MFP | Forest | Natural | Plenty | Rare | Asthma, Bronochits                                       | Bark            |
| Climber |          | Jasminum humile L.                       | MFP | Forest | Natural | Plenty | Rare | Heart bowels, Astringent                                 | Roots, Flower   |
| Climber |          | Jasminum officinale L.                   | MFP | Forest | Natural | Plenty | Rare | Hepatitis, Diarrhea, Cancer treatment                    | Flower          |
| Shrub   |          | Syringa emodi Wall. ex.<br>Royle.        | MFP | Forest | Natural | Plenty | Rare | Stomach treatment, instential problems                   | Seed, Fruit     |
| Herb    |          | Epilobium angustifolium<br>L.            | MFP | Forest | Natural | Plenty | Rare | Anti- septic, ulcers, inflammation                       | Whole part      |
| Herb    |          | Epilobium latifolium L.                  | MFP | Forest | Natural | Plenty | Rare | Analgesic,Antidote                                       | Whole part      |
|         |          | Epilobium royleanum<br>Hausskn.          | MFP | Forest | Natural | Plenty | Rare | Treatment & prostate bladder                             | Whole part      |
| Herb    |          | Calanthe tricarinata<br>Lindl.           | MFP | Forest | Natural | Plenty | Rare | Asthma, Coughing                                         | Leaves flower   |
| Herb    |          | Cypripedium<br>cordigerum D.Don          | MFP | Forest | Natural | Plenty | Rare | Fever, Backache                                          | Fruit           |
| Shrub   |          | Arundo donax L.                          | MFP | Forest | Natural | Plenty | Rare | Basket making, Diuretic, Diaphroetic                     | Grass           |
| Herb    |          | Bothriochloa<br>ischaemum (L.) Keng      | MFP | Forest | Natural | Plenty | Rare | Agro-forestery use                                       | Grass           |

| Herb  |                          | Bromus catharticus<br>Vahl                 | MFP | Forest | Natural | Plenty | Rare | Agro-forestery use                                         | Grass           |
|-------|--------------------------|--------------------------------------------|-----|--------|---------|--------|------|------------------------------------------------------------|-----------------|
| Herb  |                          | Aquilegia fragrans<br>Benth.               | MFP | Forest | Natural | Plenty | Rare | Sedative, Diarrhea, jaundice                               | Whole part      |
| Herb  |                          | Aquilegia nivalis Falc.<br>ex B. D. Jacks. | MFP | Forest | Natural | Plenty | Rare | Cough & Cold                                               | Rhizomes        |
| Herb  |                          | Delphinium<br>brunonianum Royle            | MFP | Forest | Natural | Plenty | Rare | Local Medicines,Usee as oil                                | Whole part      |
| Herb  |                          | Delphinium<br>cashmerianum Royle           | MFP | Forest | Natural | Plenty | Rare | Intestinal worms,insomia                                   | Roots           |
| Herb  |                          | Delphinium vestitum<br>Wall. ex Royle      | MFP | Forest | Natural | Plenty | Rare | Cuts ,Dysentry, Rh,Ulcers                                  | Leaves          |
| Herb  |                          | Ranunculus distans<br>Royle                | MFP | Forest | Natural | Plenty | Rare | Anti-Rh, Intermittent fever                                | Leaves          |
| Herb  |                          | Ranunculus hirtellus<br>Royle              | MFP | Forest | Natural | Plenty | Rare | Curing swellingin testes                                   | Leaves, Flowers |
| Herb  |                          | Thalictrum foliolosum DC.                  | MFP | Forest | Natural | Plenty | Rare | Tonic diuretic, Snakebite, jaundice, Rh                    | Roots           |
| Herb  |                          | Thalictrum virgatum<br>Hook. & Thomson     | MFP | Forest | Natural | Plenty | Rare | Fever, dysentry, Bloodshot eyes, sore throat               | Root, Rhizomes  |
| Herb  |                          | Potentilla cuneata Wall.<br>ex Lehm.       | MFP | Forest | Natural | Plenty | Rare | Diarrhea, menstraul bleeding                               | Leaves, Flowers |
| Tree  |                          | Populus ciliata Wall. ex<br>Royle          | B/L | Forest | Natural | Plenty | Rare | Making boxes for packing purposes, furniture & cross beams | Whole part      |
| Shrub | White/ Kashmir<br>willow | Salix alba L.                              | MFP | Forest | Natural | Plenty | Rare | Cold, fever & joint pains                                  | Bark, Stem      |
| Herb  | Sanjeevani               | Rhodiola fastigiata                        | MFP | Forest | Natural | Plenty | Rare | Traditional Medicines                                      | Whole part      |
| Herb  | Guggi Van                | Pleurospermum<br>candollei                 | MFP | Forest | Natural | Plenty | Rare | Used in folk medicines                                     | Whole part      |

## 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-<br>commercial | Uses       | Associated TK                               | Other details                           | Community/<br>Know. holder |
| Broad leaved   | Chinar     | Planitus orientalis   | Local   | Forest / private<br>nurseries | Non-commercial                | Ornamental | Provides cool shade and home for many birds | Dried leaves are used<br>as Kangri fuel | Locals                     |
| Evergreen tree | Sarv Kull  | Cupressus cashmeriana | Local   | Private nurseries             | Non-commercial                | Ornamental | Provides scenery and beauty of area         | Unknown                                 | Locals                     |
| Shrub          | Gainda     | Targetes erecta       | Local   | Preserved seed                | Non-commercial                | Ornamental | Provides beauty of home garden              | Also used for religious purpose         | Locals                     |
| Shrub          | Gulab      | Rosa indica           | Local   | From cuttings                 | Non-commercial                | Ornamental | Provides beauty of home garden              | Also used for religious purpose         | Locals                     |
| Shrub          | Dhaliya    | Dahlia pinnata        | Local   | Rhizomes of flower plant      | Non-commercial                | Ornamental | Provides beauty of home garden              | Also used for religious purpose         | Locals                     |

#### Format-14: Timber Plants/ Trees.

| 1          | 2          | 3                 | 4          |        | 5        | 6                 | 7                   | 8                                        | 9       | 10          |
|------------|------------|-------------------|------------|--------|----------|-------------------|---------------------|------------------------------------------|---------|-------------|
| DI AT      |            | C. t. (top. N.    | <b>T</b> 1 | Loca   | l status |                   | 01 ( 10)            | 1.000                                    | Other   | Community/  |
| Plant Type | Local Name | Scientific Name   | Habitat    | Past   | Present  | Wild/ home garden | Other uses (multi)  | Associated TK                            | details | Know holder |
| Trees      | Kail       | Pinus wallichiana | Forest     | Plenty | Rare     | Wild              | Firewood            |                                          |         |             |
| Trees      | Kikar      | Acacia nilotica   | Forest     | Plenty | Rare     | Wild              | Fuel wood, fodder   |                                          |         |             |
| Trees      | Deodar     | Cedrus deodara    | Forest     | Plenty | Rare     | Wild              | Firewood, Cedar oil |                                          |         |             |
| Trees      | Akhrot     | Juglans regia     | Forest     | Plenty | Rare     | Wild/homegrown    | Firewood,medicine   |                                          |         |             |
| Trees      | Phrast     | Populas alba      | Forest     | Plenty | Rare     | Wild              | Firewood,Fodder     |                                          |         |             |
| Trees      | Champ      | Alnus nitida      | Forest     | Plenty | Rare     | Wild              | Firewood,fodder     |                                          |         |             |
| Trees      | Fir        | Abies pindrow     | Forest     | Plenty | Rare     | Wild              | Firwood/timber      |                                          |         |             |
| Trees      | Spruce     | Picea smithana    | Forest     | Plenty | Rare     | Wild              | Firewood/Timber     |                                          |         |             |
| Trees      | Kharshu    | Quercus spp       | Forest     | Plenty | Rare     | Wild              | Firwood             |                                          |         |             |
| Trees      | Bankhor    | Aesculus indica   | Forest     | Plenty | Rare     | Wild/homegrown    | Firwood/Fodder      | Local zamindars have got emple knowledge |         |             |
| Trees      | Braari     | Ulmus wallichiana | Forest     | Plenty | Rare     | Wild              | Firwood/timber      | with respect to identification of the    |         |             |
| Trees      | Bren       | Ulmus villosa     | Forest     | Plenty | Rare     | Wild              | Firwood/timber      | species as well their<br>comon usage     |         |             |
| Trees      | Brimij     | Celtis australis  | Forest     | Plenty | Rare     | Wild              | Firwood/timber      |                                          |         |             |

| Trees | Haadi    | Prunus armeniaca  | Forest | Plenty | Rare | Wild           | Firwood/Fodder |  |  |
|-------|----------|-------------------|--------|--------|------|----------------|----------------|--|--|
| Trees | Heru     | Quercus ilex      | Forest | Plenty | Rare | Wild/homegrown | Firwood/Fodder |  |  |
| Trees | Kahu     | Olea cospidate    | Forest | Plenty | Rare | Wild           | Firwood/timber |  |  |
| Trees | Postul   | Taxus baccata     | Forest | Plenty | Rare | Wild           | Firwood/timber |  |  |
| Trees | Shisham  | Dalbergia sisoo   | Forest | Plenty | Rare | Wild           | Firwood/timber |  |  |
| Trees | Trikanni | Acer pictum       | Forest | Plenty | Rare | Wild           | Firwood/timber |  |  |
| Trees | Tung     | Cotinus coggygria | Forest | Plenty | Rare | Wild           | Firwood/timber |  |  |
| Trees | Zum      | Prunus cormuta    | Forest | Plenty | Rare | Wild           | Firwood/timber |  |  |

#### Format 15: DomesticatedAnimals

|         |            |                   |                            |                                                              |               |        |         |                    |                         |         | <u> </u>                                 |               |
|---------|------------|-------------------|----------------------------|--------------------------------------------------------------|---------------|--------|---------|--------------------|-------------------------|---------|------------------------------------------|---------------|
| 1       | 2          | 3                 | 4                          | 5                                                            | 6             | 3      | 7       | 8                  | 9                       | 10      | 11                                       | 12            |
| Animal  | Local Name | Scientific Name   | Breed (local/              | Features                                                     | Method of     | Local  | status  | Uses               | Associated              |         |                                          | Community     |
| Туре    | Local Name | Scientific Ivaine | hybrid)                    | reatures                                                     | keeping       | Past   | Present | Uses               | ТК                      | rearing | products and services                    | Know. Holders |
| Sheep   | Bhead      | Orisaries         | Local                      | Small size rough coat                                        | Flock rearing | Plenty | Rare    | Mutton and wool    | Yes                     | Yes     | Mutton, wool, manure,<br>bones and hides | Local/Nomads  |
| Sheep   | Bhead      | Orisaries         | Rambouillet cross<br>bread | Large size low body<br>weight                                | Flock rearing | Rare   | Plenty  | Mutton and wool    | Yes                     | Yes     | Mutton, wool, manure,<br>bones and hides | Local/Nomads  |
| Goat    | Bakri      | Capra hircas      | Local                      | Small size low body<br>weight                                | Flock rearing | Plenty | Rare    | Mutton and wool    | Yes                     | Yes     | Mutton, wool, manure,<br>bones and hides | Local/Nomads  |
| Goat    | Bakri      | Capra hircas      | Kaghani, bakasooli         | Large size high body<br>weight                               | Flock rearing | Rare   | Plenty  | Mutton and wool    | Yes                     | Yes     | Mutton, wool, manure,<br>bones and hides | Local/Nomads  |
| Cow     | Gaay       | Bos taures        | Local                      | Cow have hooves on there feet and can weight upto 400 pounds | Flock rearing | Rare   | Plenty  | Milk, Cow dung     | Milk good for<br>health | Yes     | High milk production                     | Local/Nomads  |
| Buffalo | Bhains     | Babulas           | Local                      | Dark slab colour less                                        | Domesticate   | Plenty | Rare    | Milk, Dung         | Milk good for<br>health | Yes     | High milk production                     | Local/Nomads  |
| Ox      | Bael       | Bos spp.          | Local                      | For plugging                                                 | Domesticate   | Plenty | Rare    | For plugging       | Use for plugging        | Yes     | Use for plugging                         | Local/Nomads  |
| Dog     | Kutta      | Cains familiaris  | Local                      | Pet                                                          | Pet           | Rare   | Plenty  | Guard, hunting dog | Nil                     | Nil     | Nil                                      | Local/Nomads  |
| Cat     | Billi      | Felis cats        | Local                      | Pet                                                          | Pet           | Rare   | Plenty  | Pest control       | Nil                     | Nil     | Nil                                      | Local/Nomads  |

|           | Format 16: Culture Fisheries |            |                                  |          |                    |       |              |      |               |            |               |               |  |  |  |
|-----------|------------------------------|------------|----------------------------------|----------|--------------------|-------|--------------|------|---------------|------------|---------------|---------------|--|--|--|
| 1         | 2                            | 3          | 4                                | 5        | 6 7 8 9 10 11 12   |       |              |      |               |            |               |               |  |  |  |
| Fish Type | Local Name                   | Scientific | Variety                          | Features | Waterscape         | Local | Local status |      | Associated TK | Commercial | Other details | Community     |  |  |  |
| rish Type | Local Name                   | Name       | variety                          | reatures | (pond/bheri/talao) | Past  | Present      | Uses | Associated TK | rearing    | Other details | Know. Holders |  |  |  |
| NA        | NA                           | NA         | NA |          |                    |       |              |      |               |            |               |               |  |  |  |

|                                    | Format-17: Markers/ Fairs for Domesticated Animals, Medicinal Plants and other products. |                                                |          |                                                        |                                 |                                                    |                                           |                                             |  |  |  |  |  |
|------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------|----------|--------------------------------------------------------|---------------------------------|----------------------------------------------------|-------------------------------------------|---------------------------------------------|--|--|--|--|--|
| 1                                  | 2                                                                                        | 3                                              | 4        | 5                                                      | 6                               | 7                                                  | 8                                         | 9                                           |  |  |  |  |  |
| Name of the Weekly<br>Market/ Fair |                                                                                          | Weekly/ Fortnightly & others Bi-annual/ Annual | Day held | Month incase of bi-<br>annual or annual<br>market fair | Types of animal bought and sold | Number of animals (average)<br>transacted in a day | Places from where the animals are arrived | Places to where the animals are transported |  |  |  |  |  |
|                                    | Nil                                                                                      |                                                |          |                                                        |                                 |                                                    |                                           |                                             |  |  |  |  |  |

### WILD BIODIVERSITY.

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

| 1          | 2                             | 3                   | 4             | 5               | 6      |            | 7                                                                                                                                                                                                                       | 8                         | 9          | 10      | 11                  |
|------------|-------------------------------|---------------------|---------------|-----------------|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|---------|---------------------|
| DI 4 T     |                               |                     | H 12          | <b>TT 1</b> % 4 | Loca   | l status   | Commercial/own use                                                                                                                                                                                                      | D ( 11 ( 1                | Associated | Other   | Community           |
| Plant Type | Local Name                    | Scientific Name     | Habit         | Habitat         | Past   | Present    | Commerciai/ own use                                                                                                                                                                                                     | Part collected            | Tk         | details | Knowledge<br>Holder |
| Shurb      | Ban Kakkri                    |                     | Grow Annually | Forest          | Plenty | Endangered | Useful to the skin for removal of warts,including plantar warts & sexually tranmitted warts.                                                                                                                            | Fruit                     |            |         |                     |
| Shurb      | Rhubarb (Churko)              | Rheum spiciforme    | Grow Annually | Forest          | Plenty | Rare       | Harvested from the wild for local use as a food & medicine                                                                                                                                                              | Flower/ stem              |            |         |                     |
| Herb       | Kuth                          | Saussurea costus    | Grow Annually | Forest          | Plenty | Rare       | The root & oil from the root are used to make medicine.treating for asthma, cough,gas,worm(nemotode).                                                                                                                   | Root/ Rhizome             |            |         |                     |
| Herb       | Murg<br>jawain,Bajarbhang     | Hyoscyamus niger    | Grow Annually | Forest          | Plenty | Rare       | Useful for ailmentsof the bones,Rh,toothache,asthma,cough nervous disease & stomach pain.                                                                                                                               | Seeds                     |            |         |                     |
| Herb       | Guggal/Dhoop                  | Jurinea dolomiaca   | Grow Annually | Forest          | Plenty | Rare       | useful for the treatment of fevers. The root extract is used as an incense, skin eruption, gout & Rh,                                                                                                                   | Roots                     |            |         |                     |
| Herb       | Rohan-hak/Pran/<br>Gogcheegma | Allium carolinianum | Grow Annually | Forest          | Plenty | Rare       | Contain sulphur compounds (which give them their onion flavour)help to reduce blood cholesterol levels,acts as a tonic to the digestive system                                                                          | Bulbs, Leaves,<br>Flowers |            |         |                     |
| Herb       | Gaozabaan (Ratanjot)          | Amebia benthami     | Grow Annually | Forest          | Plenty | Rare       | Used for imparting pleasing red colour to<br>fodstuff,oils & fats.<br>The flowering shoots are used in prepration of<br>Shrubet(syrup) &<br>jam useful in various disease of<br>tongue,throat,fever & cardiac disorders | Roots, Rhizomes           |            |         |                     |
| Shurb      | Dhatura                       | Dhatura metel       | Grow Annually | Forest          | Plenty | Rare       | Used to treat<br>hydrophobia,epilepsy,convulsion,syphilis,inflamma<br>tion of the breasts,smallpox,mumps & leprosy,also<br>used as a pesticide.                                                                         | Seeds                     |            |         |                     |

|         | Gokhru                       | Tribulus terrestris       | Grow Annually | Forest | Plenty | Rare     | Traditionally,people have used this plant for a variety of potential effects,Including to enhance libido,keep the urinary tract healthy & reduce swelling.                  | Leaves & Flowers   |
|---------|------------------------------|---------------------------|---------------|--------|--------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Shurb   | Seski (murin)                | Artemisia brevifolia      | Grow Annually | Forest | Plenty | Rare     | Used as a digestive & carminative & hence mixed with meat dishes,known to be an anthelmintic,aphrodisiac,antiseptic,laxative,blood purifier & antidote to scorpion stings.  | Leaves             |
| Herb    | Zakhm-e-hayaat               | Bergenia ciliata          | Wild          | Forest | Plenty | Rare     | Useful for the treatment of uterine contraction,ulcers, fever & kidney stone,also treat throat infection,diabetes.                                                          | Leaves & Roots     |
|         | Surajan-e-talakh             | Colchicum luteum          | Wild          | Forest | Plenty | Rare     | Used as a carminative ,laxative & are effective in the treatment of gout,Rh,& disease of liver & spleen.                                                                    | Corms              |
| Herb    | Salam-panja                  | Dactylorhiza<br>hatagirea | Wild          | Forest | Plenty | Rare     | Widely used to cure various diseass like<br>dysentery,diarrhoea,chronic fever,<br>cough,stomachache,wounds,cuts,burns,fractures &<br>general weakness.                      | Roots, Rhizomes    |
| Climber | Shingli-mingli               | Dioscorea deltoidea       | Wild          | Forest | Plenty | Rare     | Rhizomes used for the treatment of different<br>diseases such as digestive disorders,<br>sore of throat for struma,dirrhea,wounds,burns &<br>anemia.                        | Roots              |
| Shurb   | Kalveuth                     | Prunella vulgaris         | Grow Annually | Forest | Plenty | Rare     | Useful to treat infections & other illnesses, inflammation, protect against cancer, prevent diabetes complications.                                                         | Leaves & Flowers   |
|         | Ravend-Chini<br>(Pambchalan) | Rheum australe            | Grow Annually | Forest | Plenty | Sporadic | Used as laxative & also used in various herbal preparations.                                                                                                                | Roots, Rhizomes    |
| Herb    | Handh                        | Traraxacum<br>officinale  | Grow Annually | Forest | Plenty | Rare     | Has a special effect on the organs involved in digestion,its coffee helps with liver damage & liver weakness as well as bile weakness,stimulate pancreas & kidney function. | Leaves             |
| Herb    | Mushakbala                   | Valeriana<br>hardwickii   | Wild          | Forest | Plenty | Rare     | Useful in<br>epilepsy,hysteria,hypochondriasis,nervous unrest<br>& skin diseases.                                                                                           | Roots              |
| Shurb   | Kasrore                      | Diplazium<br>esculentum   | Grow Annually | Forest | Plenty | Rare     | Used as vegetable,dried rhizomes are used as an insecticide,decoction of this plant is used in the treatment of cough & sometimes as a tonic.                               | Leaves             |
|         | Shivlingi                    | Diplocyclos<br>palmatus   | Grow Annually | Forest | Plenty | Rare     | Useful for treatment of Aphrodisiac & tonic , constipation,stomach problem,diarrhoea,malaria fever etc.                                                                     | Ariel plants parts |

| Herb  | Patrees                                     | Aconitum<br>heterophyllum | Grow Annually | Forest | Plenty | Threatened | Usefulto treat bronchitis,persistent cough,upper respiratory tract infections, common cold,flu & malaria,treat fever,cough,vomiting & diarrhea. | Roots                      |
|-------|---------------------------------------------|---------------------------|---------------|--------|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
|       | Pushkarmula                                 | Inula racemosa            | Grow Annually | Forest | Plenty | Rare       | Treat chronic bronchitis & Rh,dried hizomes & roots are used to cure loss of appetite & stomach troubles.                                       | Roots, Rhizomes            |
|       | Tilpushpi (Foxglove)                        | Digitalis purpurea        | Grow Annually | Forest | Plenty | Rare       | Useful to treat congestive heart failure & heart rhythm problems                                                                                | Roots                      |
| Shrub | Gur-Krandel                                 | Ferula jaeschkeana        | Wild          | Forest | Plenty | Rare       | Treatment of asthma, whooping cough, flatulent colic, pneumonia, bronchitis                                                                     | Leaves, Flowers            |
| Herb  | Resha-Khatmi                                | Lavatera<br>cashmeriana   | Grow Annually | Forest | Plenty | Rare       | A known medicinal herb used in many unani<br>medicinal preprations,cure throat problem,mild<br>laxative,                                        | Leaves, Roots &<br>Flowers |
| Herb  | Kour, Kutki, Kadu,<br>Kadvi                 | Picrorhiza kurroa         | Wild          | Forest | Plenty | Rare       | Used for the treatment of jaundice, sudden liver infections caused by a virus, fever, allergy & asthma.                                         | Roots                      |
|       | Chuka Ladur                                 | Polygonum alpinum         | Grow Annually | Forest | Plenty | Rare       | Used for edible, an acid flavour, the juice from the plant has been sweetened & used as a refreshing drink.                                     | Leaf stems                 |
|       | Pitsuaak (Birjung,<br>Pitsouli, Phagermula) | Arctium lappa             | Wild          | Forest | Plenty | Rare       | Used therapeutically as a depurative, diuretic & digestive stimulant & for dermatologic conditions.                                             | Roots                      |
| Herb  | Marchi                                      | Thymus linearis           | Wild          | Forest | Plenty | Rare       | Useful for the treatment of abdominal pain & vomiting                                                                                           | Flowers                    |
| Shurb | Kala Zeera                                  | Bunium persicum           | Grow Annually | Forest | Plenty | Rare       | Useful in treatment of gastro intenstinal illnesses,including diarrhea & inflammatory bowel disease.                                            | Seeds                      |
| Herb  | Rumkath, Budarkath<br>(Gidar Tambakoo)      | Verbascum thapsus         | Wild          | Forest | Plenty | Rare       | Useful to treat pulmonary problems ,inflammatory diseases,asthma,diarrhoea & migraine headaches.                                                | Leaves                     |
|       | Kuhushbondhri (Gas<br>plant)                | Dictamnus albus           | Grow Annually | Forest | Plenty | Rare       | The plant is used both internally & externally in the treatment of skin diseases (especially scabies & eczema), arthritic pain & jaundice.      | Leaves, Bark &<br>Root     |
| Tree  | Khareu                                      | Ilex dipyrena             | Grow Annually | Forest | Plenty | Rare       | Moderate sized evergreen tree with light gray<br>smooth bark. Close grained with a preety silver<br>grain, the wood is used for fuel.           | Flower, Leaf &<br>Fruit    |
| Herb  | Kasnil Hand                                 | Cichorium intybus         | Grow Annually | Forest | Plenty | Rare       | Useful in treatment of liver<br>disorders,diabetes,jaundice,gout,Rh                                                                             | Flowers                    |

| Herb    | Pambechalan/chukri | Rheum emodi                                | Grow Annually | Forest | Plenty | Rare | Used in various traditional systems as laxative,tonic fever,cough,indigestion & menstrual disorders.                                                                          | Roots                     |
|---------|--------------------|--------------------------------------------|---------------|--------|--------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Tree    | Zum                | Prunus cormuta                             | Grow Annually | Forest | Plenty | Rare | Helpful in the treatment of cancer.                                                                                                                                           | Timber                    |
| Herb    | Neelkanth          | Ajuga bracteosa                            | Grow Annually | Forest | Plenty | Rare | Useful in the treatment of agues, the juice of the root is used in the treatment of diarrhoea & dysentery, leaves are used in treatment of fevers as a substitute for quinine | Roots                     |
| Herb    | Bergeur,Gandana    | Achillea millifolium                       | Wild          | Forest | Plenty | Rare | used in folk medicines to treat inflammation,pain & gastrointestinal disorders.                                                                                               | Aerial plant parts        |
| Herb    | Choru/Chohori      | Angelica glauca<br>Edgw                    | Wild          | Forest | Plenty | Rare | Used in Dyspepsia, constipations, ulcer of plate, Dysentry, Roots are used as a drug wound and gastric pains                                                                  | Roots                     |
| Herb    | Cow Parsnip        | Heracleum<br>candicans Wallich<br>ex Benth | Wild          | Forest | Plenty | Rare | The roots are a very good source of xanthotoxin ,which is used in the prepration of suntan lotions & to some extent for the treatment of leucoderma.                          | Roots                     |
| Climber | Agranth            | Hedera nepaiensis<br>K. Koch               | Wild          | Forest | Plenty | Rare | Used for cure of benign wart, anti-inflamatory & anti-arthritic properties.                                                                                                   | Leaves                    |
| Shrub   | Bakru              | Lonicera<br>quinquelocularis<br>Hardew     | Wild          | Forest | Plenty | Rare | Used for turnery & carving, also used for walking sticks.                                                                                                                     | Stem.,Braches             |
| Shrub   | Chalander          | Viburnum<br>grandiflorum<br>Wallich ex DC  | Grow Annually | Forest | Plenty | Rare | Used as laxative & blood purifier, also used to reduce muscular cramps.                                                                                                       | Fruit                     |
| Herb    |                    | Galium aparine L                           | Wild          | Forest | Plenty | Rare | used as diuretic,used to treat swollen lymph<br>glands, tonsillitis and throat infections.                                                                                    | Leaves,Stem               |
| Herb    | Mushkbala          | Valeriana jatamansi<br>Jones               | Grow Annually | Forest | Plenty | Rare | useful for epilepsy,hysteria,skin diseases & nervous unrest.                                                                                                                  | Dried roots &<br>Rhizomes |
| Tree    | Fir                | Abies pindrow<br>Spach                     | Wild          | Forest | Plenty | Rare | used for treating fever, wheezing cough & cold.                                                                                                                               | Seeds,Timber              |
| Tree    | Deodar             | Cedrus deodara<br>(Roxb) G. Don            | Wild          | Forest | Plenty | Rare | used in neurological<br>disorders,asthma,fever,arthritis & headache.                                                                                                          | Seeds ,Timber oil         |
| Tree    | Spruce             | Picea smithiana<br>(Wall.) Boiss           | Wild          | Forest | Plenty | Rare | used in pulp industry to make paper, also used for construction shingles, crates & household purposes.                                                                        | Seeds,Timber              |
| Tree    | Kail               | Pinus wallichiana<br>Jackson               | Wild          | Forest | Plenty | Rare | usful in treating burning of the body,cough,fainting & ulcers.                                                                                                                | Timber                    |
| Herb    | Gentheer           | Adiantum capillus-<br>veneris L            | Grow Annually | Forest | Plenty | Rare | used for antibacterial,anti-<br>implantation,antihyperglycemic.                                                                                                               | Leaves                    |

| Herb  | Sapp Guggal     | Arisaema flavum<br>(Forsskal) Schott            | Wild          | Forest | Plenty | Rare       | used in the treatment of chronic tracheitis,<br>bronchiectasis, tetanus and epilepsy                                                      | Leaves, Tubers |
|-------|-----------------|-------------------------------------------------|---------------|--------|--------|------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Herb  | Deela           | Cyperus rotundus L                              | Grow Annually | Forest | Plenty | Rare       | Malaria,diarrhea,dibaties                                                                                                                 | Rhizomes,Roots |
| Herb  | Drub            | Cynodon dactylon<br>(L) Pers                    | Wild          | Forest | Plenty | Rare       | used as a laxatie,coolant,expectorant, & as a brain<br>&<br>hert tonic used for all types of bleedings & skin<br>troubles.                | Whole plant    |
| Herb  | Palain          | Dichanthium<br>annulatum Stapf                  | Grow Annually | Forest | Plenty | Rare       | commonly used as a fodder grass.                                                                                                          | Whole plant    |
| Herb  | Kai             | Saccharum<br>spontaneum L                       | Grow Annually | Forest | Plenty | Endangered | useful in treatment of dyspepsia,burning sensation,<br>piles,sexual weakness,gynecological<br>troubles,respiratory troules.               | Flowers,Grass  |
| Shrub | Vethur          | Juniperus communis<br>Linn                      | Wild          | Forest | Plenty | Rare       | used as anti-diarrhoeal,anti-<br>inflammatory,astringent &<br>antiseptic & also used for the treatment of various<br>abdominal disorders. | Stem           |
| Tree  | Postul/Brahmi   | Taxus baccata L                                 | Grow Annually | Forest | Plenty | Rare       | useful for treating common cold,cough,fever & pain.                                                                                       | Leaves,Bark    |
| Herb  | Gul-e-sanobar   | Geranium<br>wallichianum D.<br>Don. Ex Sweet    | Grow Annually | Forest | Plenty | Rare       | used as a cure fortoothache and has been applied externally to the eyes.                                                                  | Roots,Bark     |
| Herb  | Chuku           | Oxalis corniculata L                            | Wild          | Forest | Plenty | Rare       | used in the treatment of influenza, fever, urinary tract infections & poisonous snake bites.                                              | Whole plant    |
| Herb  | Hillu           | Impatiens<br>glandulifera Royle                 | Grow Annually | Forest | Plenty | Rare       | It is one of the Bach flower remedies,flower extracts used as herbal remedies for physical & emotional problems.                          | Flower         |
| Shrub | Sanglidhoop     | Skimmia anquetilia<br>N.P Taylor & Airy<br>Shaw | Wild          | Forest | Plenty | Rare       | used for treatment of swellings,rheumatism & therapy. Powder of its bark is used for the healing of burns & wounds.                       | Leaves         |
| Shrub | Beri            | Zizyphus oxyphylla<br>Edgw                      | Grow Annually | Forest | Plenty | Rare       | used to treat diabetes, fever, dysentery, as well as<br>blood & skin diseases                                                             | Fruit          |
| Tree  | Horse chest nut | Aesulus<br>hippocastanum L                      | Grow Annually | Forest | Plenty | Rare       | used for treatment of<br>dysentry,bronchitis,hemorrhoids.                                                                                 | Leaves         |
| Tree  | Kanjal          | Acer caesium<br>Wallich ex Brandis              | Wild          | Forest | Plenty | Rare       | used for treatment of muscular swelling,boils & pimples                                                                                   | Leaves         |
| Tree  | Mapple          | Acer cappadocicum<br>Gled                       | Grow Annually | Forest | Plenty | Rare       | It is an ornamental tree                                                                                                                  | Sap,Seeds      |
| Shrub |                 | Staphyiea emodi<br>Wallich ex Brandis           | Grow Annually | Forest | Plenty | Rare       | Used for making walking sticks                                                                                                            | Wood           |

| Herb  | Ban Tambaku      | Verbascum thapsus<br>L                           | Grow Annually | Forest | Plenty | Rare | Inflammatory diseases,asthma,cough,diarrhoea                      | Leaves        |  |
|-------|------------------|--------------------------------------------------|---------------|--------|--------|------|-------------------------------------------------------------------|---------------|--|
| Herb  | Neelkanth        | Ajuga bracteosa<br>Wall ex Benth                 | Grow Annually | Forest | Plenty | Rare | Treats agues, diarrhoea& dysentery                                | Leaf          |  |
| Herb  | Jungli Pudina    | Mentha arvensis L                                | Wild          | Forest | Plenty | Rare | As a food, stomach problem & allergy                              | Leaves        |  |
| Herb  | Vena             | Mentha longifolia<br>(L) Hudson                  | Wild          | Forest | Plenty | Rare | Respraitory ailments, treat wounds                                | Leaves        |  |
| Herb  | Kal viuth        | Prunella vulgaris L                              | Wild          | Forest | Plenty | Rare | Protect against cancer, herpes                                    | Leaves        |  |
| Shrub | Sheshak          | Rabdosia rugosa<br>(Wall ex Benth)<br>Hara       | Grow Annually | Forest | Plenty | Rare | Remedy of helminthiosis, in live stocks                           | Leaves        |  |
| Herb  | Kashmir sage     | Salvia hians Royle<br>ex Benth                   | Wild          | Forest | Plenty | Rare | Heal eye infections                                               | Aerial Parts  |  |
| Herb  | Gaddo            | Salvia<br>moorcroftiana Wall                     | Wild          | Forest | Plenty | Rare | Gas, gastritis, heart burn                                        | Roots         |  |
| Shrub | Kanhaji          | Sorbaria tomentosa<br>Rehder                     | Grow Annually | Forest | Plenty | Rare | Ornamental, stimulate, respiration                                | Whole Plant   |  |
| Shrub | Dhak             | Spiraea canescens<br>D. Don                      | Wild          | Forest | Plenty | Rare | Fodderfor goats, making baskets                                   | Whole Plant   |  |
| Herb  | DhadKopdi        | Bergenia stracheyi<br>(H.F.T) Engl               | Wild          | Forest | Plenty | Rare | kidney & gall bladder stone                                       | Roots         |  |
| Herb  | Agg jari         | Saxifraga<br>jacquemontiana<br>Decne             | Grow Annually | Forest | Plenty | Rare | Medicinal pupose & human sustenance.                              | Roots,Flowers |  |
| Herb  | Dand jari        | Rhodiola himalensis<br>(D.Don) S.H. Fu           | Wild          | Forest | Plenty | Rare | Help the body to resist physical, chemical & environmental stress | Bark          |  |
| Herb  | Kuuppad jari     | Sedum ewersii<br>Ledeb                           | Wild          | Forest | Plenty | Rare | Herbal remedy for diptheria, ring worm, treats pimples, acne etc. | Whole plant   |  |
| Shrub | Hatab            | Parrotiopsis<br>jacquemontiana<br>(Decne) Rehder | Wild          | Forest | Plenty | Rare | used for handles walking sticks                                   | Wood          |  |
| Shrub | Anar             | Punica granatum L                                | Wild          | Forest | Plenty | Rare | Treatment of cancer,osteo-arthritic                               | Whole plant   |  |
| Herb  | Wallichos willow | Epilobium latifolium<br>L                        | Grow Annually | Forest | Plenty | Rare | Analgesic,anti-dote                                               | Whole plant   |  |
| Tree  | Ringkul          | Crataegus<br>songarica G. Koch                   | Grow Annually | Forest | Plenty | Rare | Pulmonary disesses                                                | Whole plant   |  |
| Herb  | Wild Straberry   | Fragania nubicola<br>Lindl ex Lacalta            | Grow Annually | Forest | Plenty | Rare | As food, treats profuse mensuration                               | Fruit         |  |
| Tree  | Haadi            | Prunus armeniaca L                               | Wild          | Forest | Plenty | Rare | Antisposmodic, chronic bronchitis                                 | Whole plant   |  |
| Herb  | Patrishi         | Aconitum<br>heterophyllum<br>Wallich ex Royle    | Wild          | Forest | Plenty | Rare | Treats reproductive disorders                                     | Not Available |  |

| Herb | Tatnu      | Caltha palustris L                             | Wild          | Forest | Plenty | Rare | Treatment of fits & anemia                                 | Leaves,Stem     |
|------|------------|------------------------------------------------|---------------|--------|--------|------|------------------------------------------------------------|-----------------|
| Herb |            | Ipomaea purpurea<br>Roth                       | Grow Annually | Forest | Plenty | Rare | Mental disorders, constipations                            | Seeds           |
| Herb |            | Cuscuta europaea L                             | Grow Annually | Forest | Plenty | Rare | Herbal medicine,tonic for liver & kidney                   | Seeds,vegitable |
| Herb |            | Cuscuta reflexa<br>Roxb                        | Wild          | Forest | Plenty | Rare | Treat difficulty in urinating, jaundice                    | Stem,Seeds      |
| Herb | Jala-Kafal | Atropa acuminata<br>Royle                      | Wild          | Forest | Plenty | Rare | used to make plasters ,in asthma                           | Whole plant     |
| Herb | Brand      | Phytolacca acinosa<br>Roxb                     | Wild          | Forest | Plenty | Rare | urinary disorders, abdominal tensions                      | Leaves,Roots    |
| Herb |            | Rheum australe D.<br>Don                       | Grow Annually | Forest | Plenty | Rare | Gastritis,blood purification                               | Rhizomes,Roots  |
| Herb |            | Rheum<br>moorcroftianum<br>Royle               | Grow Annually | Forest | Plenty | Rare | improve memory,renal function disorder                     | Rhizomes,Roots  |
| Herb | Mulain     | Inula royleana DC                              | Wild          | Forest | Plenty | Rare | reduce blood pressure,perestatic movement in intenstines   | Aerial Parts    |
| Herb |            | Jurinea dolomiaea<br>Boiss                     | Grow Annually | Forest | Plenty | Rare | loss of apetite, cold bronchitis                           | Root            |
| Herb |            | Lactuca lessertiana<br>(DC) C.B Clarke         | Grow Annually | Forest | Plenty | Rare | curative properties                                        | Not available   |
| Herb |            | Leontopodium<br>himalayanum DC                 | Grow Annually | Forest | Plenty | Rare | used in herbal and protect over skin                       | Aerial Parts    |
| Herb |            | Saussurea<br>albescence HK F &<br>T            | wild          | Forest | Plenty | Rare | ornamental                                                 | Whole plant     |
| Herb |            | Saussurea<br>heteromalla (D.<br>Don) Hand Mazz | wild          | Forest | Plenty | Rare | horse bite, oil, leucoderma & wounds                       | Leaf, root      |
| Herb |            | Saussurea lappa<br>Clarke                      | Grow Annually | Forest | Plenty | Rare | anti ulcer, anti cancer                                    | Root            |
| Herb |            | Senecio<br>amplexicaulis Wall                  | Grow Annually | Forest | Plenty | Rare | antifungal and phytotoxic                                  | Whole Plant     |
| Herb | Jarjam     | Senecio<br>chrysanthemoides<br>DC              | Grow Annually | Forest | Plenty | Rare | used in eye infections                                     | Whole Plant     |
| Herb |            | Senecio gradliflorus<br>DC                     | Grow Annually | Forest | Plenty | Rare | used in treatment of irregular menses, ease child<br>birth | Root            |
| Herb |            | Senecio nudicaulis<br>Ham                      | Grow Annually | Forest | Plenty | Rare | used in treatment of fever and skin diseases               | Leaves          |
| Herb |            | Solidago virga<br>aurea L                      | wild          | Forest | Plenty | Rare | used in treatment of best pain, insomnia                   | Flowers,Leaves  |

| Herb    | 1      | Sonchus arvensis<br>Linn                          | Grow Annually | Forest | Plenty | Rare | used in treatment of asthma,chest diseases                   | Stems,Leaves                     |
|---------|--------|---------------------------------------------------|---------------|--------|--------|------|--------------------------------------------------------------|----------------------------------|
| Herb    | <br>[  | Sonchus asper Vill                                | Grow Annually | Forest | Plenty | Rare | used in treatment of skin ailments,anti-bacterial            | Leaves,Stem,Tops                 |
| Herb    | <br>[  | Sonchus oleraceus L                               | Grow Annually | Forest | Plenty | Rare | used for blood purifier,anti-malarial                        | Stem & Leaves                    |
| Herb    | <br>I  | Tanacetum gracile<br>Hook. F. & T                 | Grow Annually | Forest | Plenty | Rare | used in treatment of intestinal worms,prevent<br>miscarriage | Dried Aerial Parts               |
| Herb    | Handh  | Taraxacum<br>officinate Weber                     | wild          | Forest | Plenty | Rare | increase urine production,,decrease pain                     | Fruits,Leaves                    |
| Shrub   |        | Lyonia ovalifolia<br>(Wallich) Drude              | Grow Annually | Forest | Plenty | Rare | treat skin disease,external parasite                         | Leaves& Buds                     |
| Shrub   |        | Rhododendron<br>campanulatum D.<br>Don            | Wild          | Forest | Plenty | Rare | treat chronic rheumatism,headache                            | Leaves                           |
| Shrub   |        | Elaeagnus<br>parvifolla Wallich<br>ex Royle       | Wild          | Forest | Plenty | Rare | anti-inflamatory anti-oxidant                                | Flowers,Seed                     |
| Climber |        | Viscum album L                                    | Wild          | Forest | Plenty | Rare | treatment of cardiac weakness,arrhythmia                     | Leaves,Stem,Pea<br>sized Berries |
| Herb    |        | Euphorbia cognata<br>(Klotzsch &<br>Garcke) Boiss | Grow Annually | Forest | Plenty | Rare | Breathing disorder,asthma                                    | Seed Stem                        |
| Herb    |        | Euphorbia rothiana<br>Spreng                      | Grow Annually | Forest | Plenty | Rare | Rheumatism,warts,cough,asthma                                | Stem Bark                        |
| Herb    |        | Euphorbia<br>helioscopia L                        | Wild          | Forest | Plenty | Rare | used in pharmaceutical industry.                             | Leaves,<br>Stem,Root             |
| Herb    |        | Euphorbia wallichii<br>Hook F                     | Grow Annually | Forest | Plenty | Rare | used against constipation                                    | Leaf,root                        |
| Shrub   |        | Sarcococca saligna<br>(D.Don) Meull Arg           | Grow Annually | Forest | Plenty | Rare | laxative ,blood purifier & muscular analgesic                | Leaf,Bark,Root                   |
| Herb    |        | Girardinia<br>heterophylla Decne                  | Grow Annually | Forest | Plenty | Rare | used as soap/shampoo for washing,cattle fodder               | Whole Plant                      |
| Herb    |        | Urtica dioica Linn                                | Wild          | Forest | Plenty | Rare | urinary tract infections                                     | Root                             |
| Tree    | Brimij | Celtis australis<br>Willd                         | Wild          | Forest | Plenty | Rare | treatment of amenorrhoea,heavy menstrual bleeding & colic    | Leaves,Root                      |
| Tree    | <br>   | Ulmus wallchiana<br>Planch                        | Wild          | Forest | Plenty | Rare | used to heal body mind & skin                                | Leaves                           |
| Herb    |        | Cannabis sativa L                                 | Wild          | Forest | Plenty | Rare | used for recrational or medicinal purposes                   | Whole Plant                      |
| Herb    | <br>   | Viola betoniofolia<br>Smith                       | Wild          | Forest | Plenty | Rare | used as sedative                                             | Whole Plant                      |
| Herb    | 1      | Violacanescens<br>Wallich                         | Grow Annually | Forest | Plenty | Rare | used for cough .cold,flu,fever & malaria                     | Leaf,Flower                      |

|       |                  | V: 1 1: IV                                     |               |        |        |      |                                                                |                                  |
|-------|------------------|------------------------------------------------|---------------|--------|--------|------|----------------------------------------------------------------|----------------------------------|
| Herb  |                  | Viola indica W<br>Becker                       | Grow Annually | Forest | Plenty | Rare | Respraitory tract congestion asthma, sore throat               | Flowers                          |
| Herb  |                  | Viola kunawarensis<br>Royle                    | Grow Annually | Forest | Plenty | Rare | chronic bronchitic,asthma                                      | Flowers                          |
| Herb  |                  | Dianthus<br>jacquemontii Edgew                 | Grow Annually | Forest | Plenty | Rare | used to stimulates urinary system,digestive system<br>& bowels | Flowers                          |
| Herb  |                  | Gypsophilla<br>cerastioides D Don              | Grow Annually | Forest | Plenty | Rare | used for production of photographic films                      | Not Available                    |
| Herb  |                  | Lychinus indica<br>Benth                       | Grow Annually | Forest | Plenty | Rare | Source of soaps ,ornamentals purposes                          | Roots,Flowers                    |
| Herb  |                  | Silene edgeworthii<br>Bocquet                  | Grow Annually | Forest | Plenty | Rare | Anti-cancer,anti-fungal & anti-viral                           | Leaves                           |
| Herb  |                  | Stellaria media L                              | Grow Annually | Forest | Plenty | Rare | cough ,cold constipation,burns                                 | Whole plant                      |
| Herb  |                  | Hypericum elodeoides Choisy                    | Grow Annually | Forest | Plenty | Rare | treatment in mild to moderate depression                       | Aerial Parts                     |
| Shrub |                  | Hypericum<br>oblongifolium<br>Choisy           | Wild          | Forest | Plenty | Rare | Hepatitis,gastric ulcers                                       | Aerial Parts                     |
| Herb  |                  | Hypericum<br>perforatum L                      | Wild          | Forest | Plenty | Rare | Moderate depression ,anxiety & sleep disorders                 | Aerial Parts                     |
| Herb  | Suchal           | Malva neglecta<br>Wallr                        | Wild          | Forest | Plenty | Rare | Astringent,demulcent,diuretic                                  | Leaves,Floers,Root               |
| Herb  |                  | Geranium<br>polyanthes Edgew<br>& H.F          | Wild          | Forest | Plenty | Rare | Tumor,cosmetic,laxative & hair colour                          | Flower                           |
| Herb  | Gugchuk,Ringrash | Geranium pretense<br>L                         | Grow Annually | Forest | Plenty | Rare | cholera,diarrhoea                                              | Root                             |
| Shrub | Tung             | Cotinus coggygnia<br>Scop                      | Grow Annually | Forest | Plenty | Rare | Coagulant, fever reducer                                       | Leaves,Bark                      |
| Shrub |                  | Rhus succedanea L                              | Wild          | Forest | Plenty | Rare | Treatment of phthisis                                          | Fruits                           |
| Herb  |                  | Astragalus<br>grahamianus Royle<br>ex Benth    | Wild          | Forest | Plenty | Rare | Urinary disease,respiratory,skin problems                      | Roots                            |
| Shrub |                  | Astragalus<br>himalayana Klotsch               | Grow Annually | Forest | Plenty | Rare | Kidney disease,diabetes                                        | Gum                              |
| Shrub | Shemar           | Desmodium elegans<br>DC                        | Wild          | Forest | Plenty | Rare | used for chronic hepitites, treatment of bilious ccomplaints   | Whole Plant                      |
| Shrub |                  | Indigofera<br>heterantha Wallich<br>ex Brandis | Grow Annually | Forest | Plenty | Rare | branches are used as basket making it is also used as fuel     | Floers ,Branches                 |
| Shrub |                  | Indigofera tinctoria<br>L                      | Grow Annually | Forest | Plenty | Rare | used to treat nervous disorders,asthama, liver<br>disease      | Flowering &<br>Fruiting Branches |

| Herb  |                  | Trifalium fragiferum<br>L                | Grow Annually | Forest | Plenty | Rare | used as green manure & flowers are used to make jelly                                       | Flowers,Leaves        |  |
|-------|------------------|------------------------------------------|---------------|--------|--------|------|---------------------------------------------------------------------------------------------|-----------------------|--|
| Herb  |                  | Trifllum repens L                        | Grow Annually | Forest | Plenty | Rare | a lincture of the leves are applied as an ointmentto<br>Govt.                               | Flowers,Leaves        |  |
| Herb  |                  | Trigonella emodi<br>Benth                | wild          | Forest | Plenty | Rare | Reduce fever                                                                                | Stem ,Leaves          |  |
| Herb  |                  | Vicia sative Linn                        | Grow Annually | Forest | Plenty | Rare | seeds are used to form bread, cakas, biscuits                                               | Seed                  |  |
| Herb  |                  | Vicia sepium Linn                        | Grow Annually | Forest | Plenty | Rare | used as nitrogen fixation used for hay or silage<br>particulary arable silage.              | Rhizomes,Leaves       |  |
| Tree  |                  | Fiaus palmata<br>Forsk                   | Grow Annually | Forest | Plenty | Rare | used for treatment of longs & bladder diseases                                              | Fruit                 |  |
| Tree  |                  | Monus serrate Roxb                       | Grow Annually | Forest | Plenty | Rare | juice of the root is used as an anthelmintic.wood is<br>used for making furniture           | Root ,Wood            |  |
| Tree  |                  | Platanus orientalis<br>L                 | Grow Annually | Forest | Plenty | Rare | Making fabric dye,                                                                          | Dried leaves          |  |
| Tree  | Akhroot          | Juglans regia Linn                       | wild          | Forest | Plenty | Rare | leaves are used in treatment of of chronic coughs, asthma & purify blood and treat diabetes | Leaves,Fruit,         |  |
| Tree  |                  | Alnus nepalensis D.<br>Don               | Wild          | Forest | Plenty | Rare | Used for making charcoal, reducing swelling of leg, juice is applied on burns               | Wood,Leaves,Roo<br>ts |  |
| Tree  | Champ            | Alnus nitida (Spach)<br>Endl.            | Grow Annually | Forest | Plenty | Rare | Bark is used to treat swelling & body pain                                                  | Bark                  |  |
| Tree  | Bhoj patra       | Betula utilis D Don                      | Wild          | Forest | Plenty | Rare | Bark is used for writing lengthy scriptures & texts, also used for packaging                | Bark                  |  |
| Tree  |                  | Corylus<br>jacquemontii Decne            | Wild          | Forest | Plenty | Rare | seeds are used as oil                                                                       | Seeds                 |  |
| Tree  |                  | Quercus baloot<br>Griffith               | Grow Annually | Forest | Plenty | Rare | seeds are used in manufacturing of insecticides                                             | seeds                 |  |
| Tree  |                  | Populus alba L                           | Grow Annually | Forest | Plenty | Rare | used in the treatment of arthritis, gout, lower back<br>problem and reduce fever            | Stem,Bark             |  |
| Tree  |                  | Populus oliata<br>Wallich ex Royle       | Grow Annually | Forest | Plenty | Rare | used as fuel wood,also useed as timber & making furniture                                   | Whole Plant           |  |
| Shrub | Willow           | Salix alba Boiss                         | Wild          | Forest | Plenty | Rare | stems are used in basket making.                                                            | Stem                  |  |
| Shrub | Kareel- kaimbal  | Berberis aristata<br>DC                  | Wild          | Forest | Plenty | Rare | used in treament of juindice,urinary disorders                                              | Root,Stem,Leaves      |  |
| Shrub |                  | Berberis<br>jaeschkeana C.K<br>Schneider | Wild          | Forest | Plenty | Rare | used in treatment of tumor                                                                  | Rhizomes,Fruit        |  |
| Shrub | Kaimal/Daruhaldi | Berberis lycium<br>Royle Trans Linn      | Wild          | Forest | Plenty | Rare | used an immunity booster                                                                    | Roots ,Stem,Bark      |  |
| Herb  |                  | Podophyllum<br>hexandrum Royle           | Wild          | Forest | Plenty | Rare | usedto treat gynecology infections                                                          | Rhizomes              |  |

| Herb |           | Meconopsis<br>aculeata Royle                 | Wild          | Forest | Plenty | Rare                 | used to help heal broken bones,treaty<br>inflammation from fractures | Whole Plant               |
|------|-----------|----------------------------------------------|---------------|--------|--------|----------------------|----------------------------------------------------------------------|---------------------------|
| Herb |           | Meconopsis latifolia<br>Prain                | Grow Annually | Forest | Plenty | Rare                 | used against ulces, disorders of lungs.                              | Flowers                   |
| Herb |           | Papaver<br>somniferum L                      | Grow Annually | Forest | Plenty | Rare                 | used for commercial purposes                                         | Whole Plant               |
| Herb |           | Corydalis<br>cachemiriana Royle              | Grow Annually | Forest | Plenty | Rare                 | used for mild depression                                             | Flowerrs,Stems,L<br>eaves |
| Herb | Bhutyata  | Corydalis<br>govaniana Wallich               | Wild          | Forest | Plenty | Rare                 | its drug is usd in the form of decoction                             | Whole Plant               |
| Herb |           | Corydalis rutifolia<br>(Sibth) DC            | Grow Annually | Forest | Plenty | Rare                 | various medicinal value                                              | Roots                     |
| Herb |           | Corydalis<br>thyrsiflora Prain               | Wild          | Forest | Plenty | Common<br>Vulnerable | used to treat stomach problem                                        | Leaves,Flowers            |
| Herb |           | Fumaria indica<br>Pugsley                    | Wild          | Forest | Plenty | Rare                 | used as a common weed, isolation & polyherbal                        | Whole Plant               |
| Herb |           | Capsella bursa<br>pastoris (L) Moench        | Wild          | Forest | Plenty | Rare                 | used as a folk remedy for cancer,nose bleeding                       | Seeds,Leaves              |
| Herb |           | Erysimum melicetae<br>Dunn                   | Wild          | Forest | Plenty | Rare                 | used in medicine,food item                                           | Seeds                     |
| Herb |           | Nasturtium<br>officinale Br.                 | Wild          | Forest | Plenty | Rare                 | leaves are used as a pungent garnish,eatenraw in salads              | Leaves,Fliowrrs,B<br>uds  |
| Herb |           | Brassica rapa L                              | Wild          | Forest | Plenty | Rare                 | provides oils & vegetables,fodder                                    | Whole Plant               |
| Herb |           | Iris hookeriana M.<br>Foster                 | Grow Annually | Forest | Plenty | Rare                 | used in aromatherapy,rhizomes given to babies to<br>help in teething | Rhizomes                  |
| Herb |           | Iris kashmiriana<br>Baker                    | Grow Annually | Forest | Plenty | Rare                 | used in treatment of joint pains                                     | Rhizomes                  |
| Herb |           | Iris kemaonensis D.<br>Don ex Royle          | Wild          | Forest | Plenty | Rare                 | flowers are used in herbal medicines                                 | Flowers                   |
| Herb |           | Narcissus tazetta L                          | Grow Annually | Forest | Plenty | Rare                 | used in treatment of boils & mastits                                 | Root                      |
| Herb |           | Dioscorea deltoidea<br>Wal ex Kunth          | Grow Annually | Forest | Plenty | Rare                 | used in treatment of digestive disorders ,wound & burns              | Rhizomes                  |
| Herb |           | Allium royiei Stern                          | Wild          | Forest | Plenty | Rare                 | used in breeding programmes                                          | Leaves                    |
| Herb | Chingposh | Colchicum luteum<br>Baker                    | Grow Annually | Forest | Plenty | Rare                 | used as carminative & aphrodisiac,treatment of gout                  | Corm,Seeds                |
| Herb |           | Fritillaria roylei<br>Hook                   | Grow Annually | Forest | Plenty | Rare                 | used for healing wounds                                              | Roots                     |
| Herb |           | Gagea elegans Wall                           | Grow Annually | Forest | Plenty | Rare                 | Used in the form of infusions or decoctions.                         | Leaves                    |
| Herb |           | Notholirion<br>thomsonianum<br>(Royle) Stapf | Wild          | Forest | Plenty | Rare                 | Treatment of Various infectious Diseases espically intestinal.       | Flower,Leaves             |

| Herb  |       | Polygonatum<br>multiflorum (Linn.)<br>All | Grow Annually | Forest | Plenty | Rare | used in wound healing being anti-bectarial                             | Roots                            |
|-------|-------|-------------------------------------------|---------------|--------|--------|------|------------------------------------------------------------------------|----------------------------------|
| Herb  |       | Polygonatum<br>verticillatum All          | Grow Annually | Forest | Plenty | Rare | used to cure cardiptonic,aphrodisiac                                   | Tender<br>leaves,Young<br>shoots |
| Herb  |       | Trillium<br>govanianum Wall               | Wild          | Forest | Plenty | Rare | used in dysentery, wound healing,menstral<br>&sexual disorders.        | Rhiozomes,Roots                  |
| Herb  |       | Tulipa stellata Hook<br>f                 | Grow Annually | Forest | Plenty | Rare | Used for sinus Pain ,Hay Fever& Headache.                              | Whole Plant                      |
| Herb  |       | Arisaema<br>jacquemontii Blume            | Wild          | Forest | Plenty | Rare | used for the treatment of dermatological<br>disorders,used for phenols | Root                             |
| Herbs |       | Valeriana<br>pyrolaefolia decne           | Wild          | Forest | Plenty | Rare | Usedb orally for anxiety& Psychological stress.                        | Root                             |
| Herbs |       | Dipsacus inermis<br>Wall                  | Wild          | Forest | Plenty | Rare | used in ayurvedic system of medicine                                   | Fresh & Dried<br>Leaves          |
| Herbs | Kim   | Morina Longifolia<br>Wallich ex DC        | Wild          | Forest | Plenty | Rare | Stem, leaves & flowers used as digestive, emetic & stomachic           | Whole Plant                      |
| Herbs |       | Achillea millefolium<br>L                 | Grow Annually | Forest | Plenty | Rare | above ground parts used in cold, tonic & astringent                    | Aerial Parts                     |
| Herbs |       | Ainsliaea aptera<br>DC.                   | Grow Annually | Forest | Plenty | Rare | roots used to relieve stomachache, acute fever & constipation          | Roots                            |
| Herbs |       | Anaphalis nubigena<br>Clarke              | Grow Annually | Forest | Plenty | Rare | used as aromatic & antimicrobial                                       | Aerial Parts                     |
| Herbs |       | Artemesia scoparia<br>Waldst. & Kit       | Grow Annually | Forest | Plenty | Rare | flowers, stem seeds used as antiseptic, diuretic & antipyretic         | Flowers,Stem ,See<br>ds          |
| Herbs |       | Artemesia gmelini<br>Bess                 | Grow Annually | Forest | Plenty | Rare | plants rich source of essential oil                                    | Leaf ,Stem                       |
| Herbs | Mooin | Artemisia Maritima<br>L.                  | Wild          | Forest | Plenty | Rare | antiseptic, diuretic & antipyretic                                     | Leraves ,Flowerin g              |
| Herbs |       | Aster indamellus<br>Grierson              | Grow Annually | Forest | Plenty | Rare | as food & medicine                                                     | Leaf,Flower,Root                 |
| Herbs |       | Cirsium arvense (L)<br>Scop               | Wild          | Forest | Plenty | Rare | remedy for toothache & treament of indigestion                         | Root                             |
| Herbs |       | Cirsium falconeri<br>(Hook.f.) Petrak     | Wild          | Forest | Plenty | Rare | whole plant & roots used for treating oedema                           | Whole Plant                      |
| Herbs |       | Dubyaea hispide<br>DC.                    | Grow Annually | Forest | Plenty | Rare | used to remove excess pitta dosh,treat fever.                          | Rhizomes                         |
| Herbs |       | Echinops cornigerus<br>DC                 | Grow Annually | Forest | Plenty | Rare | root are aphrodisiac, whole plant antipyretic & analgesic              | Root                             |
| Herbs |       | Erigeron canadensis<br>L.                 | Grow Annually | Forest | Plenty | Rare | whole plant diuretic, hemostatic & antidiarrheal                       | Whole Plant                      |
| Herbs |       | Filago germanica<br>Linn                  | Grow Annually | Forest | Plenty | Rare | has chemical, biological & toxicological properties                    | Fruit                            |

Inhabitants
have
got
knowledge
w.r.t
identification
/common
use
of
species

Bonafide purpose Inhabitants of the area.

| Herbs |                      | Galinsoga<br>parviflora Cav                       | Wild          | Forest | Plenty | Rare   | used for treatment of nettle sting & similar skin inflammation                           | Leaves                       |
|-------|----------------------|---------------------------------------------------|---------------|--------|--------|--------|------------------------------------------------------------------------------------------|------------------------------|
| Herbs |                      | Gerbera gossypina<br>(Royle) Beauv                | Grow Annually | Forest | Plenty | Rare   | ornamental                                                                               | Leaves                       |
| Herbs |                      | Gnaphalium luteo<br>album Linn                    | Grow Annually | Forest | Plenty | Rare   | antibacterial, antifungal, antioxidalt                                                   | Leaves                       |
| Shrub | Shutenger            | Rhododendron<br>anthopogon D. Don                 | Wild          | Forest | Plenty | Rare   | treatment of constipation, didysentry, fever                                             | Leaves                       |
| Herbs |                      | Anagallis arvensis<br>Linn                        | Grow Annually | Forest | Plenty | Rare   | whole plant used as expectorant,<br>dropsy,diuractic,purgative                           | Whole Plant                  |
| Herbs |                      | Androsace<br>rotundifolia Hardw.                  | Wild          | Forest | Plenty | Rare   | dried plant used against bronchitis, asthma,cough                                        | Dried Plant                  |
| Herbs |                      | Androsace<br>sempervivoides<br>Jacquem, ex Duby   | Wild          | Forest | Plenty | Rare   | Industrial usage.                                                                        | Flowering,Leaves             |
| Herbs |                      | Primula atrodentata<br>W.W.Smith                  | Grow Annually | Forest | Plenty | Rare   | flower & leaves are edible, used to make tea                                             | Flower,Leaves                |
| Herbs |                      | Primula denticulata<br>Smith                      | Wild          | Forest | Plenty | Rare   | flower & leaves are edible, used to make tea                                             | Flower,Leaves                |
| Herbs |                      | Primula rosea Royle                               | Wild          | Forest | Plenty | Rare   | asthma & digestive problems                                                              | Flower,Leaves                |
| Tree  |                      | Fraxinus excelsior<br>L.                          | Grow Annually | Forest | Plenty | Rare   | bark & leaf used against fever, gout, arthritis                                          | Bark,Leaf                    |
| Herbs |                      | Jasminium<br>grandiflorum L.                      | Grow Annually | Forest | Plenty | Rare   | used for treating wounds, skin disease,<br>ulcers,headache                               | Not Available                |
| Herbs |                      | Jasminium humile L                                | Grow Annually | Forest | Plenty | Rare   | root juice used against ringworm, flowers used to cure intestinal problems               | Root,Flower                  |
| Tree  | Kahu                 | Olea cuspidata<br>Wallich ex G. Don               | Grow Annually | Forest | Plenty | Rare   | bark used for fracture, leave use for treatment of malaria, UTI                          | Bark,Leaves                  |
| Shrub |                      | Buddleja paniculata<br>Wall                       | Grow Annually | Forest | Plenty | Rare   | used for treatment of skin disease, malaria                                              | Leaves                       |
| Herbs |                      | Gentiana carinata<br>Griseb                       | Grow Annually | Forest | Plenty | Rare   | used against diarrhea, loss of appetite, heart burn                                      | Root                         |
| Herbs |                      | Gentiana Kuroo<br>Royle                           | Grow Annually | Forest | Plenty | Rare   | rhizome is antihelminthic, diaphoretic,digestive tonic                                   | Rhizomes                     |
| Herbs | Kazuban              | Arnebia benthamii<br>(Wall. Ex G.Don)<br>Johnston | Grow Annually | Forest | Plenty | Rare   | used as red clour to food, oil & fats, plantalso<br>used as diuretic, expectorant, tonic | Flowering, Shoots<br>& Roots |
| Herbs |                      | (Royle) Kazmi                                     | Grow Annually | Forest | Plenty | Rare   | use to manage disorders like hapatotoxicity                                              | Not Available                |
| Grass | Congress grass /Jadi | Parthenium<br>hysterophorus                       | Grow Annually | Forest | Plenty | Plenty | Commercial enzymes<br>production,biopesticides,green manure &<br>composte                | Weed                         |

| Herb  | Bhang         | Cannabis sativa           | Grow Annually | Forest | Plenty | Rare | Used as a source of industrial fibre,seed oil,food,recreation,religious & spritiual moods & medicine | Leaves         |
|-------|---------------|---------------------------|---------------|--------|--------|------|------------------------------------------------------------------------------------------------------|----------------|
| Tree  | Trikanni      | Acer pictum               | Grow Annually | Forest | Plenty | Rare | Use as food ,medicine,ornamental & source of wood                                                    | Whole plant    |
| Tree  | Sheesham      | Dalbergia sisoo           | Grow Annually | Forest | Rare   | Rare | Making furniture & paper.                                                                            | Wood,Leaves,   |
| Tree  | Heru          | Quercus ilex              | Grow Annually | Forest | Plenty | Rare | Firewood & fodder                                                                                    | Wood,Leaves,   |
| Tree  | Marhu/oak     | Quercus floribunda        | Grow Annually | Forest | Plenty | Rare | Firewood & fodder                                                                                    | Wood,Leaves    |
| Tree  | Bren          | Ulmus villosa             | Grow Annually | Forest | Plenty | Rare | Medicinal ,aeromatic,anti-inflammatory,furniture                                                     | Bark,Leaves    |
| Tree  | Bankhoor      | Aesculus indica           | Wild          | Forest | Plenty | Rare | Treatment of skin diseae, Rh, astringent,<br>narcotic,relef of headache                              | Leaves,Flowers |
| Herb  | Hamesh-Bahar  | Calendula<br>officinalis  | Grow Annually | Forest | Plenty | Rare | Applied on Skin disease,Burns                                                                        | Flower,leaf    |
| Tree  | Feku          | Ficus Palmata             | Wild          | Forest | Plenty | Rare | Skin diseases,contipation                                                                            | Fruit          |
| Herb  | Banafsha      | Viola odorata             | Grow Annually | Forest | Plenty | Rare | Throat problem,Cold,cough                                                                            | Flower         |
| Herb  | Nirbisha      | Delthinium<br>drunonianum | Grow Annually | Forest | Plenty | Rare | Diabetes                                                                                             | Whole Plant    |
| Shrub | Tutfoor,Rachi | Ephedra gegardina         | Grow Annually | Forest | Plenty | Rare | Asthma,Cardic Stimulate,Allergy,Respiratory<br>Disorder                                              | Twigs          |
| Herb  | Kaahlu        | Eremurus<br>himailicus    | Wild          | Forest | Plenty | Rare | Vegetable                                                                                            | Leaves,Roots   |
| Herb  | Tengu,Tyangu  | Hyssopus officinalis      | Grow Annually | Forest | Plenty | Rare | Substitute for saffron,Liver & Blood Disorder                                                        | Flower         |
| Fungi |               | Gyromitra esculenta       | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                                                                                | Whole part     |
| Fungi |               | Helvella crispa           | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                                                                                | Whole part     |
| Fungi |               | Helvella elastica         | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                                                                                | Whole part     |
| Fungi |               | Morchella conica          | Grow Annually | Forest | Rare   | Rare | Indigestion,phlegm,shortness of breath                                                               | Whole part     |
| Fungi |               | Morchilla esculenta       | Grow Annually | Forest | Rare   | Rare | Edible,laxative,Body tonic,stomach problem,economical beneficial                                     | Whole part     |
| Fungi |               | Peziza vesiculosa         | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                                                                                | Whole part     |
| Fungi |               | Aricus campestris         | Grow Annually | Forest | Rare   | Rare | treatment of cancer, Type-2 diabetes, high-<br>cholestrol, digestive problem                         | Whole part     |
| Fungi |               | Agaricusmacrocarp<br>us   | Grow Annually | Forest | Rare   | Rare | Intoxicating drink,edible                                                                            | Whole part     |
| Fungi |               | Amanita pantherina        | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                                                                                | Whole part     |
| Fungi |               | Boletus edulis            | Grow Annually | Forest | Rare   | Rare | Edible                                                                                               | Whole part     |
| Fungi |               | Cantharellus<br>cibarius  | Grow Annually | Forest | Rare   | Rare | Anti-microbial,cytotoxity,Anti-oxidant,wound healing                                                 | Whole part     |
| Fungi |               | Coprinus<br>atramentarius | Grow Annually | Forest | Rare   | Rare | Balancing blood sugar level, diabetes properties                                                     | Whole part     |
| Fungi |               | Caprinus comatus          | Grow Annually | Forest | Rare   | Rare | Mimics insulin                                                                                       | Whole part     |

| Fungi |        | Galerina<br>helvolicens        | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                               | Whole part    |  |
|-------|--------|--------------------------------|---------------|--------|--------|------|-----------------------------------------------------|---------------|--|
| Fungi |        | Galerina mutabilis             | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                               | Whole part    |  |
| Fungi |        | Hypholoma capnoides            | Grow Annually | Forest | Rare   | Rare | Edible mushroom                                     | Whole part    |  |
| Fungi |        | Schizophyllum<br>commune       | Grow Annually | Forest | Rare   | Rare | Anti-cancer activity,edible                         | Whole part    |  |
| Fungi | Datura | Geatrum triplex                | Grow Annually | Forest | Rare   | Rare | Analgesic,anti-inflammatory,treatment of stomach    | Whole part    |  |
| Fungi |        | Bovista pussila                | Grow Annually | Forest | Rare   | Rare | Medicine,edible                                     | Whole part    |  |
| Fungi |        | Fomes fomentarius              | Grow Annually | Forest | Rare   | Rare | Laxative, Treatment of cancer                       | Whole part    |  |
| Fungi |        | Fomitopsis pinicola            | Grow Annually | Forest | Rare   | Rare | Anti-tumor,anti-bacterial,anti-viral                | Whole part    |  |
| Fungi |        | Ganoderma<br>applanatum        | Grow Annually | Forest | Rare   | Rare | Cancer treatment, diabetics                         | Whole part    |  |
| Fungi |        | Ganoderma lucidum              | Grow Annually | Forest | Rare   | Rare | anti-inflammation,Analgesic,Anti-becterial          | Whole part    |  |
| Fungi |        | Trametes versicolor            | Grow Annually | Forest | Rare   | Rare | Enhance the health of immune system                 | Whole part    |  |
| Fungi |        | Sparassis crispa               | Grow Annually | Forest | Rare   | Rare | Anti-tumor, Anti-inflammatory, Anti-allergic        | Whole part    |  |
| Fungi |        | Pleurotus spp.                 | Grow Annually | Forest | Rare   | Rare | Anti- Tuber,anti- genotoxic,Anti-oxidant            | Whole part    |  |
| Fungi |        | Ramaria formosa                | Grow Annually | Forest | Rare   | Rare | Traditional Medicines                               | Whole part    |  |
| Herb  |        | Strodilanthes<br>urticifolia   | Wild          | Forest | Plenty | Rare | Medicinal value                                     | Whole part    |  |
| Herb  |        | Achyranthes<br>bidentata blume | Wild          | Forest | Plenty | Rare | Treatment of leach bites, diuretic                  | Seeds, Roots  |  |
| Herb  |        | Amaranthus<br>caubatus         | Cultivated    | Forest | Plenty | Rare | Ornamental, laxative                                | Roots, Seeds  |  |
| Herb  |        | Amaranthus viridis             | Cultivated    | Forest | Plenty | Rare | Treatment of fever, pain, asthma                    | Whole part    |  |
| Herb  |        | Allium cepa                    | Cultivated    | Forest | Plenty | Rare | Antiinflammatory, antiseptic                        | Bulb, Leaves  |  |
| Herb  |        | Allium humile kunth            | Wild          | Forest | Plenty | Rare | Treatment of cholera, dysentry, cought              | Bulbs         |  |
| Herb  |        | Allium sativum                 | Cultivated    | Forest | Plenty | Rare | Fever, diabetics, swellings                         | Bulbs         |  |
| Herb  |        | Allium semenovii               | Wild          | Forest | Plenty | Rare | Reduce blood calastrol level                        | Bulbs         |  |
| Herb  |        | Bupleurum<br>bupjucundum       | Wild          | Forest | Plenty | Rare | Respiratory infection, swine flu                    | Aerial Part   |  |
| Herb  |        | Bupleurum<br>longifolium       | Wild          | Forest | Plenty | Rare | Respiratory infection, swine flu                    | Aerial Part   |  |
| Herb  |        | Coriandrum sativum             | Cultivated    | Forest | Plenty | Rare | Measals, hemorrhoits, toothache & joint pain        | Leaves, Seeds |  |
| Herb  |        | Cortia depressa                | Wild          | Forest | Plenty | Rare | Traditional Medicines                               | Flowers       |  |
| Herb  |        | Ligusticum elatum              | Wild          | Forest | Plenty | Rare | Traditional Medicines                               | Flowers       |  |
| Herb  |        | Oenanthe javanica              | Wild          | Forest | Plenty | Rare | Joundice, abdomnal pain                             | Whole part    |  |
| Herb  |        | Pleurosermum<br>brunonis       | Wild          | Forest | Plenty | Rare | To cure skin infections, joundice, insect repllents | Flowers       |  |

| Herb | Pleurosermum<br>candollei      | Wild       | Forest | Plenty | Rare | Used in folk medicines                                    | Flowers         |
|------|--------------------------------|------------|--------|--------|------|-----------------------------------------------------------|-----------------|
| Herb | Pleurosermum<br>stellatum      | Wild       | Forest | Plenty | Rare | To make black or red dye, water proof black ink           | Flowers         |
| Herb | Selinum<br>wallichinum         | Wild       | Forest | Plenty | Rare | Garden uses beds & borders                                | Aerial Part     |
| Herb | Aralia cachemirica             | Wild       | Forest | Plenty | Rare | To treat RH, Nephritis, Gastritis, inflammation           | Whole part      |
| Herb | Arisaema<br>propinquum         | Wild       | Forest | Plenty | Rare | Uses in snake bite, RH                                    | Rhizomes        |
| Herb | Begonia rubella                | Wild       | Forest | Plenty | Rare | Cure arthrites & common join pain                         | Whole part      |
| Herb | Hackelia uncinata              | Wild       | Forest | Plenty | Rare | Used to cure fractured bones                              | Leaves, Flowers |
| Herb | Lindelofia<br>longiflora       | Wild       | Forest | Plenty | Rare | Folk medicines                                            | Leaves, Flowers |
| Herb | Myosotis alpestris             | Wild       | Forest | Plenty | Rare | Lotion for wounds nose bleed                              | Whole part      |
| Herb | Onosma hispidum                | Wild       | Forest | Plenty | Rare | Used as food & medicine, wounds                           | Roots           |
| Herb | Pseudomertensia<br>moltkioides | Wild       | Forest | Plenty | Rare | Traditional Medicines                                     | Flowers         |
| Herb | Pseudomertensia<br>trollii     | Wild       | Forest | Plenty | Rare | Traditional Medicines                                     | Flowers         |
| Herb | Alliaria petiolata             | Cultivated | Forest | Plenty | Rare | Treatment of bronchitis,asthma,& Rh                       | Whole part      |
| Herb | Arabis bijuga                  | Wild       | Forest | Plenty | Rare | Gastro-intestinal problems, dysentry & stomach ache       | Whole part      |
| Herb | Arcyosperma<br>primulifolium   | Wild       | Forest | Plenty | Rare | Traditional Medicines                                     | Leaves, Flowers |
| Herb | Barbarea vulgaris              | Wild       | Forest | Plenty | Rare | Edible,,used as a salads                                  | Leaves          |
| Herb | Cardamine<br>macrophylla       | Wild       | Forest | Plenty | Rare | Medicinal uses, as a vegetable                            | Leaves, Flowers |
| Herb | Crucihimalaya<br>himalaica     | Wild       | Forest | Plenty | Rare | Traditional Medicines                                     | Whole part      |
| Herb | Crucihimalaya<br>mollissima    | Wild       | Forest | Plenty | Rare | Traditional Medicines                                     | Whole part      |
| Herb | Erysimum<br>hieraciifolium     | Wild       | Forest | Plenty | Rare | Edible                                                    | Leaves          |
| Herb | Hesperis matronalis            | Wild       | Forest | Plenty | Rare | Treatment of Scurvy,oil used in perfumery                 | Leaves, Flowers |
| Herb | Lepidium<br>virginicum         | Wild       | Forest | Plenty | Rare | To treat vitamin-C deficency,pains & diabetes             | Whole part      |
| Herb | Raphanus sativus               | Cultivated | Forest | Plenty | Rare | To treat constipation, chronic tracheitis & hypertension  | Leaves root     |
| Herb | Sisymbrium irio                | Wild       | Forest | Plenty | Rare | Edible, Treat cough & chest congestion, Rh & clean wounds | Leaves, Flowers |
| Herb | Thlaspi arvense                | Wild       | Forest | Plenty | Rare | Antidote,Blood tonic                                      | Seed, Leaf      |

| Herb  | Thlaspi<br>cochleariforme                               | Wild | Forest | Plenty | Rare | Treated chronic problems related to menses                          | Leaves, Flowers |  |
|-------|---------------------------------------------------------|------|--------|--------|------|---------------------------------------------------------------------|-----------------|--|
| Shrub | Sarcococca<br>pruniformis                               | Wild | Forest | Plenty | Rare | Laxative,blood purifier                                             | Leaves, Root    |  |
| Herb  | Campanula aristata                                      | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Whole part      |  |
| Herb  | Campanula cana                                          | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Whole part      |  |
| Herb  | Campanula latifolia                                     | Wild | Forest | Plenty | Rare | Local use as a food & medicine                                      | Whole part      |  |
| Herb  | Campanula pallida                                       | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Whole part      |  |
| Herb  | Codonopsis<br>clematidea                                | Wild | Forest | Plenty | Rare | Increase red & white blood cells counts & promote blood circulation | Leaves, Flowers |  |
| Herb  | Codonopsis ovata                                        | Wild | Forest | Plenty | Rare | Treatment of ulcers & wounds                                        | Leaves, Flowers |  |
| Herb  | Cyananthus lobatus                                      | Wild | Forest | Plenty | Rare | Laxative, treatment of serous disorders & constipation              | Leaves, Root    |  |
| Shrub | Abelia triflora                                         | Wild | Forest | Plenty | Rare | Used as a wood, walking sticks                                      | Whole part      |  |
| Shrub | Lonicera oblate                                         | Wild | Forest | Plenty | Rare | Used for digestive disorders,including pain & swelling              | Aerial Part     |  |
| Shrub | Scabiosa speciosa                                       | Wild | Forest | Plenty | Rare | To treat heel cracks, liver diseases                                | Leaves          |  |
| Herb  | Arenaria bryophylla<br>Fernald                          | Wild | Forest | Plenty | Rare | useful in diarrhoea & vomiting                                      | Aerial Part     |  |
| Herb  | Cerastium<br>cerastoides (L.)<br>Britton                | Wild | Forest | Plenty | Rare | Anti bacterial activity                                             | Flowers, stem   |  |
| Herb  | Cerastium fontanum<br>Baumg                             | Wild | Forest | Plenty | Rare | Edible                                                              | Flowers, stem   |  |
| Herb  | Dianthus angulatus<br>Baumg                             | Wild | Forest | Plenty | Rare | Used as a tonic for urinary system,digestive system & bowls         | Leaves          |  |
| Herb  | Gypsophila<br>cerastoides D.Don                         | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Leaves, Flowers |  |
| Herb  | Myosoton<br>aquaticum (L.)<br>Moench                    | Wild | Forest | Plenty | Rare | Treatment of fistula                                                | Flowers, Seeds  |  |
| Herb  | Minuartia<br>kashmirica (Edgew.<br>& Hook. f.) Mattf.   | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Flowers         |  |
| Herb  | Silene conoidea L.                                      | Wild | Forest | Plenty | Rare | Herbal Medicines                                                    | Flowers         |  |
| Herb  | Silene gonosperma<br>(Rupr.) Bocquet                    | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Flowers         |  |
| Herb  | Silene indica var.<br>edgeworthii<br>(Bocquet)Y.J.Nasir | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Flowers         |  |
| Herb  | Silene indica<br>(Roxb.) Roxb. ex<br>Otth               | Wild | Forest | Plenty | Rare | Traditional Medicines                                               | Flowers         |  |

| Herb | Stellaria decumbens<br>Edgew.                       | Wild | Forest | Plenty | Rare | Leaf vegitable, Salad                             | Leaf, Flower  |
|------|-----------------------------------------------------|------|--------|--------|------|---------------------------------------------------|---------------|
| Herb | Parnassia nubicola<br>Wall. ex Royle                | Wild | Forest | Plenty | Rare | Traditional Medicines                             | Whole part    |
| Herb | Euonymus<br>hamiltonianus Wall                      | Wild | Forest | Plenty | Rare | Traditional Medicines                             | Whole part    |
| Herb | Anaphalis<br>nepalensis (Spreng.)<br>HandMazz.      | Wild | Forest | Plenty | Rare | Respiratory problems including asthma, cough etc. | Flowers       |
| Herb | Anaphalis<br>triplinervis (Sims)<br>C. B. Clarke    | Wild | Forest | Plenty | Rare | Emilepsy, laceration of toes & wounds             | Flowers       |
| Herb | Anaphalis<br>margaritaceae L.                       | Wild | Forest | Plenty | Rare | Diarrhoea, dysentry, Rh, joints                   | Flowers       |
| Herb | Artemisia dubia<br>Wall.                            | Wild | Forest | Plenty | Rare | Cuts & wounds                                     | Leaves        |
| Herb | Artemisia scoparia<br>Waldst. & Kitam.              | Wild | Forest | Plenty | Rare | Anticeptic, Antipyretic                           | Leaves        |
| Herb | Artemisia vestita<br>Wall. ex Besser                | Wild | Forest | Plenty | Rare | Inflammatory diseases                             | Leaves        |
| Herb | Aster<br>diplostephioides<br>(DC.) C. B. Clarke     | Wild | Forest | Plenty | Rare | Traditional Medicines                             | Flowers       |
| Herb | Aster falconeri (C.<br>B. Clarke) Hutch.            | Wild | Forest | Plenty | Rare | Traditional Medicines                             | Flowers, Root |
| Herb | Aster flaccidus<br>Bunge                            | Wild | Forest | Plenty | Rare | Tuberculosis & pertussis                          | Flowers, Root |
| Herb | Aster molliusculus<br>(Lindl. ex DC.)<br>C.B.Clarke | Wild | Forest | Plenty | Rare | Antibacterial, skin infection, ulcers & wounds    | Flowers, Root |
| Herb | Aster thomsonii<br>C.B.Clarke                       | Wild | Forest | Plenty | Rare | Traditional Medicines                             | Flowers, Root |
| Herb | Carduus edelbergii<br><u>Rech.f.</u>                | Wild | Forest | Plenty | Rare | Traditional Medicines                             | Flower, Leaf  |
| Herb | Cicerbita<br>macrorhiza (Royle)<br>Beauverd         | Wild | Forest | Plenty | Rare | Fever                                             | Whole part    |
| Herb | Conyza japonica<br>(Thunb.) Less. ex<br>DC.         | Wild | Forest | Plenty | Rare | Food flavouring                                   | Aerial Part   |

| Herb |             | Cremanthodium<br>decaisnei<br>C.B.Clarke                                  | Wild       | Forest | Plenty | Rare | Traditional Medicines                         | Leaves, Flowers |
|------|-------------|---------------------------------------------------------------------------|------------|--------|--------|------|-----------------------------------------------|-----------------|
| Herb |             | Cremanthodium<br>ellisii (Hook.f.)<br>Kitam.                              | Wild       | Forest | Plenty | Rare | Traditional Medicines                         | Leaves, Flowers |
| Herb |             | Crepis sancta L.<br>(Bornm)                                               | Wild       | Forest | Plenty | Rare | Edible, salad                                 | Leaves          |
| Herb |             | Erigeron<br>bellidioides (Buch<br>Ham. ex D. Don)<br>Benth. C. B. Clarke  | Wild       | Forest | Plenty | Rare | Traditional Medicines                         | Flowers         |
| Herb |             | Erigeron<br>multiradiatus<br>(Lindl. ex DC.)<br>Benth. ex C. B.<br>Clarke | Wild       | Forest | Plenty | Rare | Traditional Medicines                         | Flowers         |
| Herb |             | Gnaphalium<br>stewartii C.B.Clarke                                        | Wild       | Forest | Plenty | Rare | Sciatica, Rh pain                             | Leaves, Flowers |
| Herb | Sunflower   | Helianthus annuus<br>L.                                                   | Cultivated | Forest | Plenty | Rare | High fever, snake bite                        | Leaf, Seed      |
| Herb | Pushkarmula | Inula grandiflora<br>Willd.                                               | Wild       | Forest | Plenty | Rare | Chronic bronochits & Rh                       | Rhizomes        |
| Herb | Gomchooi    | Ligularia fischeri<br>(Ledeb.) Turcz.                                     | Wild       | Forest | Plenty | Rare | Jaundice,Rh,Hepatic disease                   | Leaves, Flowers |
| Herb |             | Sonchus asper (L.)<br>Hill                                                | Wild       | Forest | Plenty | Rare | Anti-bacterial & Anti-fungal                  | Leaves          |
| Herb |             | Tanacetum<br>dolichophyllum<br>Kitam.                                     | Wild       | Forest | Plenty | Rare | Fever, migrana, headache, Rh                  | Flowers         |
| Herb |             | Tanacetum<br>tibeticum Hook.f. &<br>Thomson                               | Wild       | Forest | Plenty | Rare | Traditional Medicines                         | Flowers         |
| Herb |             | Tussilago farfara L.                                                      | Wild       | Forest | Plenty | Rare | Disorder of the respiratory tract, skin, cold | Leaf            |
| Herb |             | Waldheimia glabra<br>(Decne.) Regel                                       | Wild       | Forest | Plenty | Rare | Influenza virus & anti complementry extract   | Leaves, Flowers |
| Herb |             | Waldheimia<br>tomentosa (Decne.)<br>Regel                                 | Wild       | Forest | Plenty | Rare | Stomach ache problem                          | Leaves, Flowers |
| Herb |             | Youngia japonica<br>(L.) DC.                                              | Wild       | Forest | Plenty | Rare | Boils & snake bites                           | Leaves, Flowers |

| Herb    | Rhodiola<br>heterodonta (Hook.<br>f. & Thomson)<br>Boriss.      | Wild       | Forest | Plenty | Rare | Anxiety, fituge & dipression                     | Rhizomes        |
|---------|-----------------------------------------------------------------|------------|--------|--------|------|--------------------------------------------------|-----------------|
| Herb    | Rhodiola<br>wallichiana (Hook.)<br>S.H. Fu                      | Wild       | Forest | Plenty | Rare | Anxiety, fituge & dipression                     | Leaves, Flowers |
| Herb    | Rosularia alpestris<br>(Kar. & Kir.)<br>Boriss.                 | Wild       | Forest | Plenty | Rare | Ornamental garden plants, Traditional Medicines  | Whole part      |
| Climber | Cucumis sativus L.                                              | Cultivated | Forest | Plenty | Rare | Blemished skin, heart rash, burns, sores         | Whole part      |
| Climber | Cucurbita pepo L.                                               | Cultivated | Forest | Plenty | Rare | Anti inflamentry, anti viral, anti ulcer         | Whole part      |
| Shrub   | Datisca cannabina<br>L.                                         | Wild       | Forest | Plenty | Rare | Treatment of Rh                                  | Root            |
| Herb    | Equisetum arvense<br>L.                                         | Wild       | Forest | Plenty | Rare | Stop bleeding, heal ulcer & wounds               | Whole part      |
| Shrub   | Gaultheria<br>trichophylla Royle                                | Wild       | Forest | Plenty | Rare | Anti oxidant & anti inflamentry                  | Whole part      |
| Herb    | Euphorbia<br>cornigera Boiss.                                   | Wild       | Forest | Plenty | Rare | Breathing disorders including asthma, bronchitis | Leaves, Flowers |
| Herb    | Euphorbia<br>thomsoniana Boiss.                                 | Wild       | Forest | Plenty | Rare | Breathing disorders including asthma, bronchitis | Leaves, Flowers |
| Tree    | Quercus baloot<br>Griff.                                        | Wild       | Forest | Plenty | Rare | Anti bacterial potential                         | Whole part      |
| Tree    | Quercus<br>semecarpifolia Sm.                                   | Wild       | Forest | Plenty | Rare | Diarrhoea, dysentry                              | Whole part      |
| Herb    | Gentiana<br>cachemirica Decne.                                  | Wild       | Forest | Plenty | Rare | Digession problem                                | Leaves, Flowers |
| Herb    | Gentiana ornata<br>(D.Don) Wall. ex<br>Griseb.                  | Wild       | Forest | Plenty | Rare | Diarrhoea, dysentry                              | Leaves, Flowers |
| Herb    | Gentiana<br>phyllocalyx C.B<br>Clarke                           | Wild       | Forest | Plenty | Rare | Diarrhoea, dysentry                              | Leaf, sepal     |
| Herb    | Gentiana<br>tianschanica Rupr.<br>ex Kusn.                      | Wild       | Forest | Plenty | Rare | Digession problem                                | Whole part      |
| Herb    | Gentianella<br>moorcroftiana<br>(Wall. ex Griseb.)<br>Airy Shaw | Wild       | Forest | Plenty | Rare | Cold cough, nausa                                | Leaf            |
| Herb    | Jaeschkea<br>oligosperma Knobl.                                 | Wild       | Forest | Plenty | Rare | Traditional Medicines                            | Whole part      |

| Herb  | Swertia ciliata (D. Don ex G. Don)           | Wild | Forest | Plenty | Rare | Skin diseases, cancer                                    | Whole part      |  |
|-------|----------------------------------------------|------|--------|--------|------|----------------------------------------------------------|-----------------|--|
| Herb  | B.L. Burtt  Swertia petiolata Royle ex D.Don | Wild | Forest | Plenty | Rare | Inflammation of the liver & high blood pressure          | Whole part      |  |
| Herb  | Swertia speciosa<br>G.Don                    | Wild | Forest | Plenty | Rare | Asthma, liver disorder                                   | Root            |  |
| Herb  | Erodium cicutarium<br>L. (L.) Her            | Wild | Forest | Plenty | Rare | Typhoid, fever                                           | Whole part      |  |
| Herb  | Geranium lambertii<br>Sweet                  | Wild | Forest | Plenty | Rare | Skin problem, reduces strss                              | Dried leaves    |  |
| Herb  | Geranium<br>himalayense<br>Klotzsch          | Wild | Forest | Plenty | Rare | Garden uses, beds & borders                              | Whole part      |  |
| Herb  | Geranium nepalense<br>Sweet                  | Wild | Forest | Plenty | Rare | Nervous diseseas, pains, Rh                              | Whole part      |  |
|       | Geranium pusillum<br>L.                      |      | Forest | Plenty | Rare | Used as an Anodyne, Astringent                           | Whole part      |  |
| Herb  | Geranium<br>rotundifolium L.                 | Wild | Forest | Plenty | Rare | Used as an Anodyne, Astringent                           | Whole part      |  |
| Herb  | Geranium<br>wallichianum<br>D.Don ex Sweet   | Wild | Forest | Plenty | Rare | Peptic ulcers, cure toothache                            | Whole part      |  |
| Shrub | Ribes nigrum L.                              | Wild | Forest | Plenty | Rare | Useful in allergy, fatigue, rhimities                    | Whole part      |  |
| Shrub | Ribes himalense<br>Royle ex Decne.           | Wild | Forest | Plenty | Rare | Used as food & medicine                                  | Fruit           |  |
| Herb  | Hypericum japonicum Thunb.                   | Wild | Forest | Plenty | Rare | Asthama & dycenty                                        | Leaves, Flowers |  |
| Shrub | Philadelphus<br>tomentosus wall ex<br>G. Don | Wild | Forest | Plenty | Rare | Traditional Medicines                                    | Leaves, Flowers |  |
| Herb  | Ajuga integrifolia<br>BuchHam.               | Wild | Forest | Plenty | Rare | Diarrhea, Malaria                                        | Leaf            |  |
| Herb  | Clinopodium<br>vulgare L.                    | Wild | Forest | Plenty | Rare | Overcome weak digestion                                  | leaves          |  |
| Herb  | Elsholtzia ciliata<br>(Thunb.) Hyl.          | Wild | Forest | Plenty | Rare | Common cold, fevers, headache                            | Whole part      |  |
| Shrub | Isodon rugosus<br>(Wall. ex Benth.)<br>Codd  | Wild | Forest | Plenty | Rare | Tooth ache,gastric pain,                                 | Whole part      |  |
| Herb  | Lamium album L.                              | Wild | Forest | Plenty | Rare | Abnormal vaginal discharge, & to relieve painful periods | Leaves, Flowers |  |

| Herb    |          | Leonurus cardiaca<br>L.              | Wild       | Forest | Plenty | Rare | Gynacological afflictions               | Seed          |
|---------|----------|--------------------------------------|------------|--------|--------|------|-----------------------------------------|---------------|
| Herb    |          | Mentha arvensis L.                   | Wild       | Forest | Plenty | Rare | Diarrhea & Dysentry,stomach problem     | Leaves        |
| Herb    | Soyabean | Glycine max (L.)<br>Merr.            | Cultivated | Forest | Plenty | Rare | Treatment of oedema, dysuria            | Seed          |
| Shrub   |          | Indigofera<br>hebepetala Baker       | Wild       | Forest | Plenty | Rare | Edible                                  | Fruit, flower |
| Herb    |          | Lotus corniculatus<br>L.             | Wild       | Forest | Plenty | Rare | Anti-inflammatory,Skin inflammation     | Flowers       |
| Shrub   |          | Robinia<br>pseudoacacia L.           | Wild       | Forest | Plenty | Rare | Wounds, Pain reliever                   | Dried leaves  |
| Herb    |          | Trifolium pratense<br>L.             | Wild       | Forest | Plenty | Rare | Antispasmodic, Anti-inflammatory        | Leaves flower |
| Herb    |          | Trifolium repens L.                  | Wild       | Forest | Plenty | Rare | Gout, Cough, Eyewash                    | Leaves flower |
|         |          | Vicia rigidula Royle                 |            | Forest | Plenty | Rare | Weight loss                             | Leaves flower |
| Herb    |          | Fritillaria roylei<br>Hook.          | Wild       | Forest | Plenty | Rare | Anti-Asthmatic, Anti- Rh                | Root          |
| Herb    |          | Gagea lutea                          | Wild       | Forest | Plenty | Rare | Used as food                            | Bulbs, leaves |
| Herb    |          | Lilium polyphyllum<br>D.Don          | Wild       | Forest | Plenty | Rare | Diuretic,Anti-pyruetic                  | Bulbs         |
| Herb    |          | Tulipa clusiana DC.                  | Wild       | Forest | Plenty | Rare | Edible as oil                           | Whole part    |
| Herb    |          | Lavatera<br>cachemiriana<br>Cambess. | Wild       | Forest | Plenty | Rare | Throat problem, mild laxative           | Leaf, Flower  |
| Tree    |          | Ficus carica L.                      | Wild       | Forest | Plenty | Rare | Respiratory problems, Anti-inflammatory | Fruit, leaves |
| Tree    |          | Morus alba L.                        | Wild       | Forest | Plenty | Rare | Asthma, Bronochits                      | Bark          |
| Climber |          | Jasminum humile L.                   | Wild       | Forest | Plenty | Rare | Heart bowels, Astringent                | Roots, Flower |
| Climber |          | Jasminum officinale<br>L.            | Wild       | Forest | Plenty | Rare | Hepatitis, Diarrhea, Cancer treatment   | Flower        |
| Shrub   |          | Syringa emodi Wall.<br>ex. Royle.    | Wild       | Forest | Plenty | Rare | Stomach treatment, instential problems  | Seed, Fruit   |
| Herb    |          | Epilobium<br>angustifolium L.        | Wild       | Forest | Plenty | Rare | Anti- septic, ulcers,inflammation       | Whole part    |
| Herb    |          | Epilobium latifolium<br>L.           | Wild       | Forest | Plenty | Rare | Analgesic,Antidote                      | Whole part    |
|         |          | Epilobium<br>royleanum Hausskn.      | Wild       | Forest | Plenty | Rare | Treatment & prostate bladder            | Whole part    |
| Herb    |          | Calanthe tricarinata<br>Lindl.       | Wild       | Forest | Plenty | Rare | Asthma, Coughing                        | Leaves flower |
| Herb    |          | Cypripedium<br>cordigerum D.Don      | Wild       | Forest | Plenty | Rare | Fever, Backache                         | Fruit         |

| Herb  |                          | Epipactis<br>helleborine (L.)              | Wild | Forest | Plenty | Rare | Ornamental use                                             | Flower          |
|-------|--------------------------|--------------------------------------------|------|--------|--------|------|------------------------------------------------------------|-----------------|
| Shrub |                          | Crantz Arundo donax L.                     | Wild | Forest | Plenty | Rare | Basket making, Diuretic, Diaphroetic                       | Grass           |
| Herb  |                          | Bothriochloa<br>ischaemum (L.)<br>Keng     | Wild | Forest | Plenty | Rare | Agro-forestery use                                         | Grass           |
| Herb  |                          | Bromus catharticus<br>Vahl                 | Wild | Forest | Plenty | Rare | Agro-forestery use                                         | Grass           |
| Herb  |                          | Aquilegia fragrans<br>Benth.               | Wild | Forest | Plenty | Rare | Sedative, Diarrhea, jaundice                               | Whole part      |
| Herb  |                          | Aquilegia nivalis<br>Falc. ex B. D. Jacks. | Wild | Forest | Plenty | Rare | Cough & Cold                                               | Rhizomes        |
| Herb  |                          | Delphinium<br>brunonianum Royle            | Wild | Forest | Plenty | Rare | Local Medicines,Usee as oil                                | Whole part      |
| Herb  |                          | Delphinium<br>cashmerianum<br>Royle        | Wild | Forest | Plenty | Rare | Intestinal worms,insomia                                   | Roots           |
| Herb  |                          | Delphinium vestitum<br>Wall. ex Royle      | Wild | Forest | Plenty | Rare | Cuts ,Dysentry, Rh,Ulcers                                  | Leaves          |
| Herb  |                          | Ranunculus distans<br>Royle                | Wild | Forest | Plenty | Rare | Anti-Rh, Intermittent fever                                | Leaves          |
| Herb  |                          | Ranunculus hirtellus<br>Royle              | Wild | Forest | Plenty | Rare | Curing swellingin testes                                   | Leaves, Flowers |
| Herb  |                          | Thalictrum<br>cultratum Wall.              | Wild | Forest | Plenty | Rare | Traditional Medicines                                      | Whole part      |
| Herb  |                          | Thalictrum<br>foliolosum DC.               | Wild | Forest | Plenty | Rare | Tonic diuretic, Snakebite, jaundice, Rh                    | Roots           |
| Herb  |                          | Thalictrum virgatum<br>Hook. & Thomson     | Wild | Forest | Plenty | Rare | Fever, dysentry, Bloodshot eyes, sore throat               | Root, Rhizomes  |
| Herb  |                          | Trollius acaulis<br>Lind.                  | Wild | Forest | Plenty | Rare | To make medicines                                          | Whole part      |
| Herb  |                          | Potentilla cuneata<br>Wall. ex Lehm.       | Wild | Forest | Plenty | Rare | Diarrhea, menstraul bleeding                               | Leaves, Flowers |
| Tree  |                          | Populus ciliata<br>Wall. ex Royle          | Wild | Forest | Plenty | Rare | Making boxes for packing purposes, furniture & cross beams | Whole part      |
| Shrub | White/ Kashmir<br>willow | Salix alba L.                              | Wild | Forest | Plenty | Rare | Cold, fever & joint pains                                  | Bark, Stem      |
| Herb  | Sanjeevani               | Rhodiola fastigiata                        | Wild | Forest | Plenty | Rare | Traditional Medicines                                      | Whole part      |

| Herb  | Guggi Van | Pleurospermum<br>candollei | Wild   | Forest   | Plenty | Rare | Used in folk medicines | Whole part |  |   |  |
|-------|-----------|----------------------------|--------|----------|--------|------|------------------------|------------|--|---|--|
| 11010 | 00        | candollei                  | ,,,,,, | 1 01 000 |        | 1    |                        |            |  | İ |  |

# Format-19: Wild Plant Species of Importance.

| 1      | 2                   | 3                        | 4           | 5                                               | 6        |
|--------|---------------------|--------------------------|-------------|-------------------------------------------------|----------|
| S. No. | Local Name          | Scientific Name          | Variety     | Importance (as economic, social, cultural etc.) | Status   |
| 1      | Akhrot              | Juglans regia            | Broad Leave | Ecnomical & Social                              | Do exist |
| 2      | Hatab               | Parraotia jacquemontiana | Broad Leave | Ecnomical & Social                              | Do exist |
| 3      | Phrast              | Populas alba             | Broad Leave | Ecnomical & Social                              | Do exist |
| 4      | Kiker               | Acacia nilotica          | Broad Leave | Ecnomical & Social                              | Do exist |
| 5      | Champ               | Alnus nitida             | Broad Leave | Ecnomical & Social                              | Do exist |
| 6      | Heru                | Quercus ilex             | Broad Leave | Ecnomical & Social                              | Do exist |
| 7      | Kolum               | Vibernum novasum         | Broad Leave | Ecnomical & Social                              | Do exist |
| 8      | Mohru               | Quercus floribunda       | Broad Leave | Ecnomical & Social                              | Do exist |
| 9      | Bren                | Ulmus wallichiana        | Broad Leave | Ecnomical & Social                              | Do exist |
| 10     | Mooin               | Artemisia meritima       | Broad Leave | Ecnomical & Social                              | Do exist |
| 11     | Boj Patar           | Betula utilis            | Broad Leave | Cultural & Social                               | Do exist |
| 12     | Pudina              | Mentha longifolia        | Broad Leave | Ecnomical & Social                              | Do exist |
| 13     | Socchal             | Malva neglecta           | Broad Leave | Ecnomical & Social                              | Do exist |
| 14     | Pamachari/Pamchalan | Rheum australe           | Broad Leave | Ecnomical & Social                              | Do exist |
| 15     | Kuth                | Saussurea lappa          | Broad Leave | Ecnomical & Social                              | Do exist |
| 16     | Kakarsinghi         | Pistacia intergerrima    | Broad Leave | Ecnomical & Social                              | Do exist |
| 17     | Naghchatri          | Trillium govaniaum       | Broad Leave | Ecnomical & Social                              | Do exist |
| 18     | Ber                 | Ziziphus mauritiane      | Broad Leave | Ecnomical & Social                              | Do exist |

| 19 | Plum          | Prunus persica           | Broad Leave | Ecnomical & Social | Do exist |
|----|---------------|--------------------------|-------------|--------------------|----------|
| 20 | Zakhamahayat  | Sexifraga ligulata       | Broad Leave | Ecnomical & Social | Do exist |
| 21 | Jangli angoor | Vitis vinefera           | Broad Leave | Ecnomical & Social | Do exist |
| 22 | Jangli gulab  | Rosa maschata            | Broad Leave | Ecnomical & Social | Do exist |
| 23 | Agg jari      | Saxifraga jacquemontiana | Broad Leave | Ecnomical & Social | Do exist |
| 24 | Ban tambaku   | Verbascum thapsus        | Broad Leave | Ecnomical & Social | Do exist |
| 25 | Banafsha      | Viola odorata            | Broad Leave | Ecnomical & Social | Do exist |
| 26 | Bankakdi      | Podophyllum hexandrum    | Broad Leave | Ecnomical & Social | Do exist |
| 27 | Belladonna    | Atropa belladonna        | Broad Leave | Ecnomical & Social | Do exist |
| 28 | Bhang         | Cannabis sativa          | Broad Leave | Ecnomical & Social | Do exist |
| 29 | Bhutyata      | Corydalis govaniana      | Broad Leave | Ecnomical & Social | Do exist |
| 30 | Brand         | Phytolacca acinosa       | Broad Leave | Ecnomical & Social | Do exist |
| 31 | Chalander     | Viburnum grandiflorum    | Broad Leave | Ecnomical & Social | Do exist |
| 32 | Chora         | Angelica glauca          | Broad Leave | Ecnomical & Social | Do exist |
| 33 | Chukri        | Rheum australe           | Broad Leave | Ecnomical & Social | Do exist |
| 34 | Chuku         | Oxalis corniculata       | Broad Leave | Ecnomical & Social | Do exist |
| 35 | Dand jari     | Rhodiola himalensis      | Broad Leave | Ecnomical & Social | Do exist |
| 36 | Dhad Kopdi    | Bergenia stracheyi       | Broad Leave | Ecnomical & Social | Do exist |
| 37 | Feku          | Ficus palmata            | Broad Leave | Ecnomical & Social | Do exist |
| 38 | Gaddo         | Salvia moorcroftiana     | Broad Leave | Ecnomical & Social | Do exist |
| 39 | Guggal        | Jurinea dolomiaea        | Broad Leave | Ecnomical & Social | Do exist |
| 40 | Gul-e-snobar  | Geranium wallichianum    | Broad Leave | Ecnomical & Social | Do exist |
| 41 | Hamesh bahar  | Calendula officinalis    | Broad Leave | Ecnomical & Social | Do exist |
| 42 | Handh         | Taraxacum officinale     | Broad Leave | Ecnomical & Social | Do exist |

| 43 | Hillu          | Impatiens glandulifera     | Broad Leave | Ecnomical & Social | Do exist |
|----|----------------|----------------------------|-------------|--------------------|----------|
| 44 | Jarjam         | Sanecio chrysanthemoides   | Broad Leave | Ecnomical & Social | Do exist |
| 45 | Kaimal         | Berberis lyceum            | Broad Leave | Ecnomical & Social | Do exist |
| 46 | Kala zeera     | Bunium persicum            | Broad Leave | Ecnomical & Social | Do exist |
| 47 | Kahjuban       | Arnebia benthami           | Broad Leave | Ecnomical & Social | Do exist |
| 48 | Kalishadi      | Daphne oleoides            | Broad Leave | Ecnomical & Social | Do exist |
| 49 | Kanhaji        | Sorbaria tomentosa         | Broad Leave | Ecnomical & Social | Do exist |
| 50 | Kareel Kaimbul | Berberis aristata          | Broad Leave | Ecnomical & Social | Do exist |
| 51 | Kesar          | Crocus sativus             | Broad Leave | Ecnomical & Social | Do exist |
| 52 | Kim            | Morina longifolia          | Broad Leave | Ecnomical & Social | Do exist |
| 53 | Kinns          | Diascorea deltoidea        | Broad Leave | Ecnomical & Social | Do exist |
| 54 | Kour           | Picrorhiza Kurrooa         | Broad Leave | Ecnomical & Social | Do exist |
| 55 | Kuppad jari    | Sedum ewersii              | Broad Leave | Ecnomical & Social | Do exist |
| 56 | Mooin          | Artemisa maritime          | Broad Leave | Ecnomical & Social | Do exist |
| 57 | Mori           | Delphinium roylei          | Broad Leave | Ecnomical & Social | Do exist |
| 58 | Mulam          | Inula royeleana            | Broad Leave | Ecnomical & Social | Do exist |
| 59 | Murma          | Valeriana dubia            | Broad Leave | Ecnomical & Social | Do exist |
| 60 | Nag Rus        | Acorus calamus             | Broad Leave | Ecnomical & Social | Do exist |
| 61 | Neel Kanth     | Ajuga bracteosa            | Broad Leave | Ecnomical & Social | Do exist |
| 62 | Nichni         | Rhododendron campannalatum | Broad Leave | Ecnomical & Social | Do exist |
| 63 | Patrishi       | Aconitum heterophyllum     | Broad Leave | Ecnomical & Social | Do exist |
| 64 | Postul         | Taxus baccata              | Broad Leave | Ecnomical & Social | Do exist |
| 65 | Sapp Google    | Arisaema flavum            | Broad Leave | Ecnomical & Social | Do exist |
| 66 | Shemar         | Desmodium elegans          | Broad Leave | Ecnomical & Social | Do exist |

| 67 | Sheshak                | Rhabdosia rugosa         | Broad Leave | Ecnomical & Social | Do exist |
|----|------------------------|--------------------------|-------------|--------------------|----------|
| 68 | Shutenger              | Rhododendren anthopogon  | Broad Leave | Ecnomical & Social | Do exist |
| 69 | Suchal                 | Malva neglecta           | Broad Leave | Ecnomical & Social | Do exist |
| 70 | Tatnu                  | Caltha palustris         | Broad Leave | Ecnomical & Social | Do exist |
| 71 | Avens                  | Geum elatum              | Broad Leave | Ecnomical & Social | Do exist |
| 72 | Baby's breath          | Gypsophila cerastioides  | Broad Leave | Ecnomical & Social | Do exist |
| 73 | Black Henbit, Henbane, | Hyoscyamus niger         | Broad Leave | Ecnomical & Social | Do exist |
| 74 | Bladder Campion        | Silene vulgaris          | Broad Leave | Ecnomical & Social | Do exist |
| 75 | Burdock                | Arctium lappa            | Broad Leave | Ecnomical & Social | Do exist |
| 76 | Cinquefoil             | Potentilla argyrophylla  | Broad Leave | Ecnomical & Social | Do exist |
| 77 | Cow Parsnip            | Heracleum candicans      | Broad Leave | Ecnomical & Social | Do exist |
| 78 | Crame's bill flower    | Geranium pratense        | Broad Leave | Ecnomical & Social | Do exist |
| 79 | Cudweed                | Gnaphalium hypoleucum    | Broad Leave | Ecnomical & Social | Do exist |
| 80 | Dandelion              | Taraxacum officinale     | Broad Leave | Ecnomical & Social | Do exist |
| 81 | Darnel grass           | Lolium temulentum        | Broad Leave | Ecnomical & Social | Do exist |
| 82 | Foreget-me-Not         | Myosotis sylvatica       | Broad Leave | Ecnomical & Social | Do exist |
| 83 | Golden Rod             | Solidago virgaurea       | Broad Leave | Ecnomical & Social | Do exist |
| 84 | Granny's Bonnet        | Aquilegia fragrans       | Broad Leave | Ecnomical & Social | Do exist |
| 85 | Groundsel              | Senecio chrysanthemoides | Broad Leave | Ecnomical & Social | Do exist |
| 86 | Helleborine            | Epipactis latifolia      | Broad Leave | Ecnomical & Social | Do exist |
| 87 | Helleborine Orchid     | Epipactis wallichii      | Broad Leave | Ecnomical & Social | Do exist |
| 88 | Hound's Tongue         | Cynoglossum zeylanicum   | Broad Leave | Ecnomical & Social | Do exist |
| 89 | Kashmir Sage           | Salvia hians             | Broad Leave | Ecnomical & Social | Do exist |
| 90 | Larkspur               | Delphinium vestitum      | Broad Leave | Ecnomical & Social | Do exist |

| 91  | May Apple               | Podophyllum hexandrum  | Broad Leave | Ecnomical & Social | Do exist |
|-----|-------------------------|------------------------|-------------|--------------------|----------|
| 92  | Milkvetch               | Astragalus             | Broad Leave | Ecnomical & Social | Do exist |
| 93  | Millfoil                | Achillea millefolium   | Broad Leave | Ecnomical & Social | Do exist |
| 94  | Mountain Sorrel         | Oxyria digyna          | Broad Leave | Ecnomical & Social | Do exist |
| 95  | Nepal Cinquefoil        | Potentilla nepalensis  | Broad Leave | Ecnomical & Social | Do exist |
| 96  | Nepal Dock              | Rumex nepalensis       | Broad Leave | Ecnomical & Social | Do exist |
| 97  | Northern Bedstraw       | Galium boreale         | Broad Leave | Ecnomical & Social | Do exist |
| 98  | Pink Evening Primrose   | Oenthera rosea         | Broad Leave | Ecnomical & Social | Do exist |
| 99  | Red Clover              | Trifolium pretense     | Broad Leave | Ecnomical & Social | Do exist |
| 100 | Rock splitter           | Bergenia stracheyi     | Broad Leave | Ecnomical & Social | Do exist |
| 101 | Silky Woundwort         | Stachys sericea        | Broad Leave | Ecnomical & Social | Do exist |
| 102 | St. John's Wort         | Hypericum perforatum   | Broad Leave | Ecnomical & Social | Do exist |
| 103 | Sun Spurge,             | Euphorbia helioscopia  | Broad Leave | Ecnomical & Social | Do exist |
| 104 | Touch me not            | Impatiens thomsonii    | Broad Leave | Ecnomical & Social | Do exist |
| 105 | Wallich's Willow Herb   | Epilobium wallichianum | Broad Leave | Ecnomical & Social | Do exist |
| 106 | White spotted Lousewort | Pedicularis punctata   | Broad Leave | Ecnomical & Social | Do exist |
| 107 | Wild Indigo             | Indigofera heterantha  | Broad Leave | Ecnomical & Social | Do exist |
| 108 | Wild Lettuce            | Lactuca longifolia     | Broad Leave | Ecnomical & Social | Do exist |
| 109 | Wild Rose               | Rosa webbiana          | Broad Leave | Ecnomical & Social | Do exist |
| 110 | Wild Strawberry         | Fragaria nubicola      | Broad Leave | Ecnomical & Social | Do exist |
|     | -                       |                        |             |                    |          |

# Format 20: Aquatic Biodiversity

| 1                         | 2                     | 3                       | 4                                           | 5                     | (      | 6       |                                    | 8                                                                                        | 9                                                                                                             | 10               |
|---------------------------|-----------------------|-------------------------|---------------------------------------------|-----------------------|--------|---------|------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------|
| Local Name                | Scientific Name       | Variety                 | Features                                    | Habitat               | Local  | Status  | Uses                               |                                                                                          |                                                                                                               | Community /      |
| Local Name                | Scientific (Valle     | variety                 | reatures                                    | Habitat               | Past   | Present | Uses                               | Associated 1 K                                                                           | Other details                                                                                                 | Knowledge Holder |
| Frog (Mundak)             | Rana tigrana          | -                       | Long very powerful<br>back led and web feet | Pond/river            | Plenty | Rare    | Important<br>role in food<br>chain | Frog are natures<br>pharmacy and provide a<br>very efficient transfer of<br>solar energy | Maintain food chain and food wed.                                                                             | Locals           |
| Watercress (Nag<br>Biber) | Nasturtium officinale | Aquatic flowering plant | Rapid growing perennial plant               | Pond / watery place   | Plenty | Plenty  | As vegetable                       | Oldest known leaf<br>vegetables consumed by<br>human                                     | Its high content of<br>Vitamin C makes it<br>remedy such that<br>particular valuable for<br>chronic illnesses | Locals           |
| Maiden hair<br>(Ghvtheer) | Adiantum caudatum     | Aquatic Grass           | It is a perennial fern producing fronds     | Found in shaded areas | Plenty | Plenty  | As vegetable                       | Rich in vitamin-B                                                                        | It is used n the treatment<br>of chest infection,<br>cough, diabetes, fever<br>and skin disease               | Locals           |

|        | Format-21: Wild Aquatic Plant Species of Importance. |                                                      |     |   |   |  |  |  |  |  |  |  |
|--------|------------------------------------------------------|------------------------------------------------------|-----|---|---|--|--|--|--|--|--|--|
| 1      | 2                                                    | 3                                                    | 4   | 5 | 6 |  |  |  |  |  |  |  |
| S. No. | Local Name                                           | Local Name Scientific Name Variety Importance Trends |     |   |   |  |  |  |  |  |  |  |
| 1      |                                                      |                                                      |     |   |   |  |  |  |  |  |  |  |
| 2      |                                                      |                                                      | Nil |   |   |  |  |  |  |  |  |  |
| 3      |                                                      |                                                      |     |   |   |  |  |  |  |  |  |  |

## Format-22: Wild Plants of Medicinal Importance.

|              |             |                      |         |               |              |         |                                              | _                    |                           |                                     | 1                                                        |
|--------------|-------------|----------------------|---------|---------------|--------------|---------|----------------------------------------------|----------------------|---------------------------|-------------------------------------|----------------------------------------------------------|
| 1            | 2           | 3                    | 4       | 5             |              | 6       | 7                                            | 8                    | 9                         | 10                                  | 11                                                       |
| Plant (Herb, | Local Name  | Scientific Name      | Variety | Landscape/    | Local        | status  | - Associated TK                              | Hans (many)          | Part used                 | Other details market/               | t/ Community<br>Knowledge<br>Holder                      |
| Shrub, Tree) | Local Name  | Scientific Name      | variety | Habitat       | Past Present | Present | Associated 1 K                               | Uses (usage)         | r art useu                | own use                             |                                                          |
|              | Kanees      | Diascorea deltoidea  |         |               |              |         |                                              | Rhematoid            | Roots                     | Medicinal use                       |                                                          |
|              | Handh       | Taraxacum officinale |         | Low Lands     |              |         |                                              | Anti rheunatic       | leaves / Roots            | Medicinal use                       |                                                          |
|              | Bunafsha    | Viola serpens        |         | Low Lands     |              |         |                                              | Cough/cold Treatment | Flowers                   | Medicinal use                       |                                                          |
| l            | Sonf        | Foeniculum vulgare   |         |               |              |         |                                              | Constipation         | seeds                     | Also used as<br>Flavouring agent    |                                                          |
|              | Pumchalam   | Rheom australe       |         |               |              |         |                                              | Cuts/Wounds healing  | Roots                     | Medicinal use                       |                                                          |
| Herb         | Soyi        | Urtica dioica        |         |               |              |         |                                              | To Heel Cuts/ wounds | Roots                     | Causes acute skin<br>Allergy        |                                                          |
|              | Mushak bala | Valeriana wallchi    | 337'1.1 | High altitude |              |         |                                              | Insomnia, stress     | Roots                     | Medicinal use                       |                                                          |
|              | Hebel       | Rumex sprengel       | Wild    |               |              |         |                                              | To Heal Cuts/ Wounds | Leaves/stemp              | Medicinal use                       |                                                          |
|              | Pudina      | Mentha longifolia    |         |               |              |         | Local having                                 | Cooling Medicine     | Leaves                    | Also used cooling<br>Mouth Freshner | Zamindars living                                         |
|              | Mooin       | Artemisia meritima   |         |               | Alesso de 1  | D       | good<br>knowledge with                       | Stomatch problems    | leaves                    | Medicinal use                       | in the vicinity of<br>the forest are<br>well versed with |
|              | khor/Dun    | Juglanas regia       |         |               | Abundant     | Rare    | respect to identification of the species and | to treat toothache   | Leavrs, bark,<br>Pericarp | Medicinal use                       | the medicinal uses of NTFPs found in the                 |
| Trees        | Gugu        | Asculus indica       |         |               |              |         | their uses.                                  | to Treat rheumatism  | seeds                     | Medicinal use                       | forest                                                   |

|       | Feku       | Ficus palmata     |                     |           |  | To Trat skin dieases                | Latex fruit  | Medicinal use        |
|-------|------------|-------------------|---------------------|-----------|--|-------------------------------------|--------------|----------------------|
|       | Khumblai   | Berberis aristata |                     |           |  | Laxative                            | Roots        | Also Used as fencing |
|       | Anardana   | Punica granatum   | wild/ Home<br>grown | Low Lands |  | To tract juandice                   | seeds        | Pericarp Used as dye |
|       | Neel Kanth | Ajuga bracteosa   | wild                |           |  | Malarial fever/Gastric problem      | leaves       | Medicinal use        |
| Shurb | Parontha   | Viscum album      | wiid                |           |  | used to increase milk<br>Production | leaves       | Medicinal use        |
|       | Bhang      | Cannabis sativa   | wild/Home           |           |  | Narcotic                            | seeds/Leaves | Medicinal use        |
|       | Datura     | Datura stramonium | grown               |           |  | totreat headache,joint pain         | seeds        | Medicinal use        |
|       | Mooin      | Artemisa vulgaris | wild                |           |  | Stomach and intsetinal infection    | leaves       | Medicinal use        |

## Format 23: Wild relatives of Crops

| 1            | 2                         | 3                                  | 4                                      | 5                | 5             | 6            | 7           | 8                                                       | 9                    | 10          |
|--------------|---------------------------|------------------------------------|----------------------------------------|------------------|---------------|--------------|-------------|---------------------------------------------------------|----------------------|-------------|
| Local Name   | Scientific Name           | Associated crop                    | I andscane / Hahitat                   | Local Status Use |               | Uses (usage) | Part Used   | Associated TK                                           | Other details        | Community / |
| Local Ivalic | Past Present Coses (usage |                                    | Uses (usage)                           | Tart Oscu        | Associated TK | Other uctans | Know holder |                                                         |                      |             |
| Datura       | Datura stramonium         | Apple, pear, all<br>domestic crops | Low land valley/wild                   | Plenty           | Plenty        | Asthama      | Leaves      | Fruit, leaves & flowers<br>are offered to Lord<br>Shiva | Weed / Medicinal use | Local       |
| Hund         | Taraxacum officinale      | Agricultural crop                  | Mountainous region/<br>Low land valley | Plenty           | Plenty        | Food         | Leaves      | Medicinal value                                         | Used as vegetable    | Local       |
| Sochal       | Malva neglecta            | Agricultural crop                  | Mountainous region/<br>Low land valley | Plenty           | Rare          | Food         | Leaves      | Medicinal value                                         | Used as vegetable    | Local       |

#### Format 24: OrnamentalPlants

| 1          | 2                     | 3                | 4                       | 5                                    | 6                                          | 7                                   | 8                              |
|------------|-----------------------|------------------|-------------------------|--------------------------------------|--------------------------------------------|-------------------------------------|--------------------------------|
| Local Name | Scientific Name       | Variety          | Habitat                 | Commercial / Non-<br>commercial Uses | Associated TK                              | Any other Detail                    | Community/<br>Knowledge Holder |
| Chinar     | Plantanus orientalis  | Broad leave      | Govt./ private premises | Non-commercial                       | Provide cool shade and home for many birds | Leaves are used as<br>kangri fuel   | Locals                         |
| Sarva kull | Cupressus cashmeriana | Kashmiri cypress | Govt./ private premises | Non-commercial                       | Ornamental plant                           | Provides scenery/beauty of the area | Locals                         |
| Safeda     | Populus               | Populus          | Govt./ private premises | Commercial                           | Provides scenery/beauty of the area        | Used in fruit packing industries    | Locals                         |
| Gainda     | Tagetes erecta        | Local/wild       | Home Garden             | Non-commercial                       | Ornamental                                 | Religious                           | Locals                         |
| Gulab      | Rose indica           | Local /wild      | Home Garden             | Non-commercial                       | Ornamental                                 | Religious                           | Locals                         |
| Daliya     | Dahlia pinnata        | Local home plant | Home Garden             | Non-commercial                       | Ornamental                                 | Religious                           | Locals                         |

## Format-25: Fumigate/ Chewing Plants.

|                     |               |                    |                 |          |        |              | -                                  |                    |                      | 1                |                         |
|---------------------|---------------|--------------------|-----------------|----------|--------|--------------|------------------------------------|--------------------|----------------------|------------------|-------------------------|
| 1                   | 2             | 3                  | 4               | 5        |        | 6            | 7                                  | 8                  | 9                    | 10               | 11                      |
| Plant (Herb, Shrub, | Local Name    | Scientific Name    | Variety         | Habitat  | Local  | status       | Uses (usage)                       | Part used          | Associated TK        | Other details    | Community<br>Knowledge  |
| Tree)               | Local Name    | Scientific Name    | variety         | Habitat  | Past   | Present      | Uses (usage)                       | 1 art useu         | Associated 1 K       | (mode of use)    | Holder                  |
|                     | Sonf/Bodiyana | Foeniculum vulgare |                 |          |        |              | Constipation tractment             | Seeds              |                      |                  |                         |
| Heat                | Jungli pudina | Mentha longifolia  |                 |          |        |              | Cooling medicine                   | Leaves             |                      |                  |                         |
| Herb -              | Kim           | Morima longifolia  |                 |          |        |              | to avoid insect damage to garments | Rhizomes           | I I                  |                  |                         |
|                     | Bantambaku    | Verbascum thapsus  | Broad<br>Leaved | Low land | Plenty | lessAbundant | Narcotic                           | Leaves             |                      | Bonafide purpose | Inhabitants of the area |
| Shrub               | Bhang         | Cannabis sativa    |                 |          |        |              | Do                                 | leaves             | use<br>of<br>species |                  |                         |
| Herb                | Dhoop         | Jurinea dolomiaea  |                 |          |        |              | Religious/cultural/<br>Medicine    |                    |                      |                  |                         |
| Trees               | Khor/Dun      | Juglanas regia     |                 |          |        |              | Tooth ache                         | Leaves<br>pericarp |                      |                  |                         |

#### Format-26: Timber Plants.

| 1          | 2                      | 3                      | 4      | 4       | 5                  | 6              | 7                   | 8                        |
|------------|------------------------|------------------------|--------|---------|--------------------|----------------|---------------------|--------------------------|
| T I N      | C.*                    | H.1244                 | Local  | status  | Other House 'Con-  | A              | Odb. Data           | Community                |
| Local Name | Scientific Name        | Habitat                | Past   | Present | Other Uses, if any | Associated TK  | Other Details       | Knowledge Holder         |
|            | Kail                   | Pinus wallichiana      | Plenty | Rare    | less abundant      | Wild           | Firewood            |                          |
|            | Kiker                  | Acacia nilotica        | Plenty | Rare    | less abundant      | Wild           | Fuel wood, fodder   |                          |
|            | Diyar Cedrus deodara   |                        | Plenty | Rare    | less abundant      | Wild           | Firewood, Cedar oil |                          |
|            | Khor/Dun Juglans regia |                        | Plenty | Rare    | less abundant      | Wild/homegrown | Firewood,medicine   |                          |
| Trees      | Phrast                 | Populas alba           | Plenty | Rare    | less abundant      | Wild/homegrown | Firewood,Fodder     | Inhabitants of the area. |
|            | Champ                  | Alnus nitida           | Plenty | Rare    | less abundant      | Wild/homegrown | Firewood,fodder     |                          |
|            | Fir                    | Abies pindrow          | Plenty | Rare    | less abundant      | Wild           | Firwood/timber      |                          |
|            | Spruce                 | Picea smithana         | Plenty | Rare    | less abundant      | Wild           | Firwood/timber      |                          |
|            | Kharshu                | Quercus semecarpifolia | Plenty | Rare    | less abundant      | Wild           | Firwood             |                          |

|            | Format 27 A: Coastal and MarineFlora |                      |          |              |        |                     |                 |            |               |                  |  |  |
|------------|--------------------------------------|----------------------|----------|--------------|--------|---------------------|-----------------|------------|---------------|------------------|--|--|
| 1          | 2                                    | 3                    | 4        | 5 6 7 8 9 10 |        |                     |                 |            |               |                  |  |  |
| DL 4 T     | T I N                                | Cara A Cara Ni a a a | H.1.24.4 | Local        | Status | Parts Collected (if | Commercial Uses | Other Harr | Annual of TEX | Community/       |  |  |
| Plant Type | Local Name                           | Scientific Name      | Habitat  | Past         |        |                     | (if any)        | Other Uses | Associated TK | Knowledge Holder |  |  |
| NA         | NA                                   | NA                   | NA       | NA           | NA     | NA                  | NA              | NA         | NA            | NA               |  |  |

|             | Format 27 B: Coastal and Marine Fauna |                 |         |              |         |                          |                     |            |               |                                |  |  |
|-------------|---------------------------------------|-----------------|---------|--------------|---------|--------------------------|---------------------|------------|---------------|--------------------------------|--|--|
| 1           | 2                                     | 3               | 4       | 5            |         | 6                        | 7                   | 8          | 9             | 10                             |  |  |
| Animal Type | Local Name S                          | Scientific Name | Habitat | Local Status |         | Parts Collected (if any) | Commercial Uses (if | Other Uses | Associated TK | Community/ Knowledge<br>Holder |  |  |
|             |                                       |                 |         | Past         | Present | ,                        | any)                |            |               | 11Viuei                        |  |  |
| NA          | NA                                    | NA              | NA      | NA           | NA      | NA                       | NA                  | NA         | NA            | NA                             |  |  |

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

| 1           | 2                    | 3                       | 4                      | 5                            | 6                      | 7            | 7       | 8              | 9          | 10                  | 11            | 12                     |
|-------------|----------------------|-------------------------|------------------------|------------------------------|------------------------|--------------|---------|----------------|------------|---------------------|---------------|------------------------|
| Animal Type | Local Name           | Scientific Name         | Habitat                | Description                  | Session when seen      | Local status |         | Uses (if any)  | Associated | Mode of Hunting,    | Other details | Community<br>Knowledge |
| Animui Type | Local Name           | Scientific (Vallie      | Habitat                | Description                  | Session when seen      | Past         | Present | Uses (II ally) | TK         | collecting (if any) | Other details | Holder                 |
|             | Suh/Leopard          | Panthera pardus         | High altitude          | Fur with dark rossettes      | Both summar/<br>winter | Plenty       | Rare    |                |            |                     |               |                        |
|             | Pijad                | Capra aegagrus          | High altitude          | Resembles goat               | winter                 | Plenty       | Rare    |                |            |                     |               |                        |
|             | Jungli billi         | Felis chaus             | Lower scrubb<br>Forest | Grey , light brown in colour | winter                 | Plenty       | Rare    |                |            |                     |               |                        |
|             | Jackal/ Gidur        | Cains aureus            | Around Habitation      | Nocturnal                    | winter                 | Plenty       | Rare    |                |            |                     |               |                        |
|             | Reech/ Bhalu         | Ursus americames        | High altitude          | Omnivore                     | winter                 | Plenty       | Rare    |                |            |                     |               |                        |
|             | Snow leopard         | Unica unica             | High altitude          |                              | throughout year        |              |         |                |            |                     |               |                        |
|             | Leopard cat          | Prionailurus begalensis | High altitude          |                              | throughout year        |              |         |                |            |                     |               |                        |
|             | Eurasian lynx        | Lynx lynx               | High altitude          |                              | throughout year        |              |         |                |            |                     |               |                        |
|             | Grey wolf            | Canis lupus             | High altitude          |                              | throughout year        |              |         |                |            |                     |               |                        |
|             | Red fox              | Vulpus vulpus           | High altitude          |                              | throughout year        |              |         |                |            |                     |               |                        |
|             | Himalayan Brown Bear | Ursus arctos            | High altitude          |                              | throughout year        |              |         |                |            |                     |               |                        |

| Mammal Hima | .1               |                         |                   |                  |                 |        |        |                                               |           |                                   |
|-------------|------------------|-------------------------|-------------------|------------------|-----------------|--------|--------|-----------------------------------------------|-----------|-----------------------------------|
|             | alayan weasel    | Mustela siberica        | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Him         | nalayan stoat    | Mustela ermine          | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Beach o     | or stone weasel  | Martes foina            | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Yellow-     | -throated marten | Martes flavigula        | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Pi          | ine martin       | Martes martes           | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Eur         | rasian otter     | Lutra lutra             | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Kashn       | mir Musk deer    | Moscus cupreus          | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Al          | lpine ibex       | Capra ibex              | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Him         | nalayan goral    | Nemorhaedus flavigula   | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Him         | nalayan Tahr     | Hermitragus jemlahicus  | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Kashm       | nir grey langur  | Semnopithecus ajas      | High altitude     |                  | throughout year |        |        |                                               |           |                                   |
| Small In    | ndian Mangoose   | Herpestes auropunctatus | High altitude     |                  | throughout year |        |        |                                               |           | Locals having                     |
| 1           | Monkey           | Simiiformes catarrhini  | High altitude     | Social           | throughout year | Plenty | Rare   | Necessary for<br>maintanence of<br>Ecological | Probhited | good<br>knowledge<br>with respect |
|             | Chuha            | Mus booduga             | fields            | Common in houses | throughout year | Plenty | Common | balance                                       |           | to their identification           |
| Himal       | layan marmot     | Marmota bobak           | Around Habitation |                  | throughout year |        |        |                                               |           |                                   |

 $\neg$ 

|          | long -tailed marmot           | Marmota caudate            | Around Habitation |                                           | throughout year  |        |        |
|----------|-------------------------------|----------------------------|-------------------|-------------------------------------------|------------------|--------|--------|
| Rodents  | Small Kashmir flying squirrel | Eoglaucomys fimbriatus     | Around Habitation |                                           | throughout year  |        |        |
|          | Himalayan mouse hare          | Ochotona roylei            | Around Habitation |                                           | throughout year  |        |        |
|          | Short-Tailed Bandicoot<br>Rat | Nesolia indica             | Around Habitation |                                           | throughout year  |        |        |
|          | Porcupine/ Shale              | Hystrix indica             | Rocky Hills       | Has sharp spikes                          | throughout year  | Plenty | Common |
|          | Saanp                         | Serpentes                  | Rocky Hills       | Limbless,<br>carnivore with<br>mobile jaw | Summer           | Plenty | Common |
|          | Himalayan pit viper           | Agkistrodon<br>himalayanus |                   |                                           | throughout year  |        |        |
| Reptiles | Russell's viper               | Viper russelii             |                   |                                           | throughout year  |        |        |
|          | Common Skink                  | Lygosoma himalayanus       |                   |                                           | throughout year  |        |        |
|          | Northern house gecko          | Hemidactyius flaviviridis  |                   |                                           | throughout year  |        |        |
|          | Chipkali                      | Lacertila                  | Rocky Hills       | Quadrepedal                               | Summer           | Plenty | Common |
|          | Chidya                        | Passer domestica           | Around habitation | Feeds on seeds ,<br>weeds, grain          | Through out Year | Plenty | Common |
|          | Koel                          | Eudynamys scolopaceus      | Around habitation | Feeds on seeds ,<br>weeds, grain          | Through out Year | Plenty | Common |
| Birds    | Tota                          | Alexendrine parakeet       | Around habitation | Feeds on seeds ,<br>weeds, grain          | Through out Year | Plenty | Common |
| Dirus    | kawa                          | Corvus                     | Around habitation | Feeds on seeds ,<br>weeds, grain          | Through out Year | Plenty | Common |

|           | Cheel             | Milvus migrans              | Migratory                 | Carvinore                  | Through out Year  | Plenty                    | Common |  |  |  |
|-----------|-------------------|-----------------------------|---------------------------|----------------------------|-------------------|---------------------------|--------|--|--|--|
|           | Chakor            | Alectoris chukar            | lowlands                  |                            | Through out Year  | Abundant                  | Rare   |  |  |  |
| Amahibian | Frog              | Rana cyanophlictis          | Ponds, lakes              |                            | summer            | Abundant                  | Common |  |  |  |
| Amphibian | Toad              | Bufo virdis                 |                           |                            |                   |                           |        |  |  |  |
|           | Bichoo            | Typhlochactas mitchelli     | Moist low land            |                            | summer            | Abundant                  | Common |  |  |  |
| Insects   | Ttili             | Rhopalocera                 | low Lands                 | feeds on flowers<br>nectar | summer            | Abundant                  | Common |  |  |  |
|           | Cockroach         | Blattodea                   | low Lands                 | waste Materila             | summer            | Abundant                  | Common |  |  |  |
|           |                   |                             |                           |                            |                   |                           |        |  |  |  |
|           | AS (Alpine Scrub) | RO (Rockey Outcrops)        | AE (Ariel Edges)          | GD (Garbage<br>Dumps)      | OH (Open Hill)    |                           |        |  |  |  |
|           | OS (Open Scrub)   | TB (Temperate<br>Broadleaf) | TC (Temperate<br>Conifer) | RF (Riparian<br>Forest)    | UF (Urban Forest) | AQ<br>(Aquatic<br>Forest) |        |  |  |  |

|        |                |                     | Format-29      | : Flora. |                      |                             |
|--------|----------------|---------------------|----------------|----------|----------------------|-----------------------------|
| 1      | 2              | 3                   | 4              | 5        | 6                    | 7                           |
| S. No. | Local Name     | Scientific Name     | Type of Plants | Habitat  | Flowering Season     | Remarks (Rare/ Common etc.) |
| 1      | Deodar         | Cedrus deodara      | Tree           |          | September to October | Rare                        |
| 2      | kail           | Pinus wallichiana   | Tree           |          | September to October | Rare                        |
| 3      | Mooin          | Artemisa meritima   | Herbs          |          | May June             | Common                      |
| 4      | Drankh         | Melia azadirach     | Tree           |          | April May            | Common                      |
| 5      | Phrast         | Populas alba        | Tree           |          | March April          | Rare                        |
| 6      | Walnut         | Juglans regia       | Tree           | ] [      | March April          | Common                      |
| 7      | Brahmi         | Texux wallichiana   | Tree           | ] [      | September October    | Common                      |
| 8      | Hum            | Fraxinus excelsior  | Tree           |          | April May            | Common                      |
| 9      | Gulab          | Rosa indica         | Shrub          | ] [      | April May            | Common                      |
| 10     | Champ          | Alnus nitida        | Tree           |          | April May            | Common                      |
| 11     | Gugu           | Aesculus indica     | Tree           | Forest - | April May            | Common                      |
| 12     | Apple          | Malus domesticus    | Tree           | ] [      | April May            | Common                      |
| 13     | Bhojpatra      | Betula utilis       | Tree           | ] [      | April May            | Common                      |
| 14     | Heru           | Quercus ilex        | Tree           | 1        | April May            | Common                      |
| 15     | Moru           | Quercus floribunda  | Tree           | <b>1</b> | April May            | Common                      |
| 16     | Safeda         | Eucalyptus globulus | Tree           | <b>1</b> | April May            | Common                      |
| 17     | Nashpati       | Pyrus communis      | Tree           | <b>1</b> | April May            | Common                      |
| 18     | Tulkul/Mulbary | Morus alba          | Tree           | <b>1</b> | April May            | Common                      |
| 19     | Cher/Apricot   | Prunus domestica    | Tree           | <b>1</b> | April May            | Common                      |
| 20     | Chinar         | Platanus oriantalis | Tree           | 1        | April May            | Rare                        |

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                           |
|--------|-------------------|---------------------------|--------------------------------------------------------|----------------|-----------------------------|
| S. No. | Local Name        | Scientific Name           | Type of Animals (Mammals/ Birds/<br>Fish/ Insect etc.) | Habitat        | Remarks (Rare/ Common etc.) |
| 1      | Leopard           | Panthera pardus           | Mammal                                                 | Forest         | Rare                        |
| 2      | Jackal            | Coins aurus               | Mammal                                                 | Forest         | Common                      |
| 3      | Black bear        | Ursus americanus          | Mammal                                                 | Forest         | Rare                        |
| 4      | Shail/ Porcupine  | Hystrise indica           | Mammal                                                 | Forest         | Rare                        |
| 5      | Chuha/Rate        | Mus booduga               | Mammal                                                 | Home/forest    | Common                      |
| 6      | Wild shawl        | Nudibranchs               | Mammal                                                 | Home/forest    | Rare                        |
| 7      | Wild goat         | Capra aegagrus            | Mammal                                                 | Home/forest    | Rare                        |
| 8      | Wild dog          | Lycaon pictus             | Mammal                                                 | Home/forest    | Rare                        |
| 9      | Wild fox          | Vulpes vulpes             | Mammal                                                 | Home/forest    | Common                      |
| 10     | Wild cat          | Felis silvestris          | Mammal                                                 | Home/forest    | Common                      |
| 11     | Chakor            | Alectoris chukar          | Bird                                                   | Home/forest    | Rare                        |
| 12     | Pintail           | Anas acuta                | Bird                                                   | Every where    | Rare                        |
| 13     | parrot            | Psittaciformes            | Bird                                                   | Every where    | Rare                        |
| 14     | Pigeon            | Columbidae                | Bird                                                   | Every where    | Rare                        |
| 15     | House Sparrow     | Passer domesticus         | Bird                                                   | Every where    | Rare                        |
| 16     | Sparrow           | Passer domesticus         | Bird                                                   | Every where    | Rare                        |
| 17     | crow              | Corvus                    | Bird                                                   | Every where    | Rare                        |
| 18     | Peacock           | Pavo cristatus            | Bird                                                   | Every where    | Rare                        |
| 19     | Bearded Vulture   | Gypaetus barbatus         | Bird                                                   | AS, RO, AE     | Rear                        |
| 20     | Black Kite        | Milvus migrans            | Bird                                                   | GD, PC, FD, AE | Rear                        |
| 21     | Black- eared Kite | Milvus [migrans] lineatus | Bird                                                   | GD, AE         | Summer Visitors             |
| 22     | Bonelli's Eagle   | Aquila fasciata           | Bird                                                   | AE, OH         | Winter Visitors             |
| 23     | Booted Eagle      | Hieraaetus pennatus       | Bird                                                   | PS, AE, RO     | Winter Visitors             |

| 24 | Cinereous vulture         | Aegypius monachus       | Bird | TB, OH, AE     | Winter Visitors  |
|----|---------------------------|-------------------------|------|----------------|------------------|
| 25 | Eastern Imperial Eagle    | Aquila heliaca          | Bird | TC, OH, AE     | Winter Visitors  |
| 26 | Egyptian Vulture          | Neophron percnopterus   | Bird | GD, AE, FD     | Summer Visitors  |
| 27 | Eurasian Sparrowhawk      | Accipiter nisus         | Bird | RF, TB, UF     | Rear             |
| 28 | Griffon Vulture           | Gyps fulvus             | Bird | RO, AE         | Rear             |
| 29 | Hen Harrier               | Circus cyaneus          | Bird | AE, OS         | Winter Visitors  |
| 30 | Himalayan Buzzard         | Buteo burmanicus        | Bird | PC, AS, AE     | Rear             |
| 31 | Himalayan Vulture         | Gyps himalayensis       | Bird | PC, AS, RO, FD | Rear             |
| 32 | Mountain Hawk Eagle       | Nisaetus nipalensis     | Bird | TB, TC, PC     | Rear             |
| 33 | Northern Goshawk          | Accipiter gentilis      | Bird | UF, RF         | Winter Visitors  |
| 34 | Shikra                    | Accipiter badius        | Bird | UF, TB, TC, PC | Rear             |
| 35 | Short-toed Snake Eagle    | Circaetus gallicus      | Bird | CV, FD, OS     | Passage Migrants |
| 36 | Steppe Eagle              | Aquila nipalensis       | Bird | GD, RF, UF, AE | Winter Visitors  |
| 37 | Oriental Skylark          | Alauda gulgula          | Bird | PC             | Summer Visitors  |
| 38 | Himalayan Pied Kingfisher | Ceryle lugubris         | Bird | AQ, RF         | Rear             |
| 39 | Lesser Pied Kingfisher    | Ceryle rudis            | Bird | AQ, RF         | Rear             |
| 40 | White-throated Kingfisher | Halcyon smyrnensis      | Bird | AQ, RF         | Rear             |
| 41 | Bar-headed Goose          | Anser indicus           | Bird | AQ             | Passage Migrants |
| 42 | Common Pochard            | Aythya ferina           | Bird | AQ             | Passage Migrants |
| 43 | Eurasian Wigeon           | Mareca penelope         | Bird | AQ             | Passage Migrants |
| 44 | Garganey                  | Querquedula querquedula | Bird | AQ             | Passage Migrants |
| 45 | Mallard                   | Anas platyrhynchos      | Bird | AQ             | Passage Migrants |
| 46 | Northern Pintail          | Anas acuta              | Bird | AQ             | Passage Migrants |
| 47 | Northern Shoveler         | Spatula clypeata        | Bird | AQ             | Passage Migrants |
| 48 | Tufted Duck               | Aythya fuligula         | Bird | AQ             | Passage Migrants |
| 49 | Alpine Swift              | Tachymarptis melba      | Bird | AS, RO, AE     | Summer Visitors  |
| 50 | Common Swift              | Apus apus               | Bird | UF, RF, TB, AE | Summer Visitors  |
| 51 | White-throated Needletail | Hirundapus caudacutus   | Bird | TB, TC, PC, FD | Summer Visitors  |
| 52 | Eastern Cattle Egret      | Bubulcus coromandus     | Bird | CV, AQ         | Winter Visitors  |

| 53 | Long-tailed Minivet        | Pericrocotus ethologus  | Bird | UF, TC, PC         | Summer Visitors |
|----|----------------------------|-------------------------|------|--------------------|-----------------|
| 54 | Great Barbet               | Megalaima virens        | Bird | UF, TB             | Rear            |
| 55 | Bar-tailed Treecreeper     | Certhia himalayana      | Bird | UF, TB, TC, PC     | Rear            |
| 56 | Hodgson's Treecreeper      | Certhia hodgsoni        | Bird | TB, TC, PC         | Rear            |
| 57 | Strong-footed Bush Warbler | Horornis fortipes       | Bird | FD, TB, RF         | Summer Visitors |
| 58 | Red-wattled Lapwing        | Vanellus indicus        | Bird | CV, AQ             | Summer Visitors |
| 59 | Brown Dipper               | Cinclus pallasii        | Bird | AQ                 | Rear            |
| 60 | Grey-breasted Prinia       | Prinia hodgsonii        | Bird | UF, TB             | Rear            |
| 61 | Eurasian Collared Dove     | Streptopelia decaocto   | Bird | UF, TB, CV         | Summer Visitors |
| 62 | Oriental Turtle Dove       | Streptopelia orientalis | Bird | TB, PC, FD, UF     | Summer Visitors |
| 63 | Rock Pigeon                | Columba livia           | Bird | UF, TB, CV         | Rear            |
| 64 | Snow Pigeon                | Columba leuconota       | Bird | AS, RO             | Rear            |
| 65 | Spotted Dove               | Spilopelia chinensis    | Bird | UF, TB, CV         | Summer Visitors |
| 66 | Alpine Chough              | Pyrrhocorax graculus    | Bird | AS, RO, PS         | Rear            |
| 67 | Black-headed Jay           | Garrulus lanceolatus    | Bird | UF, TC             | Rear            |
| 68 | Common Raven               | Corvus corax            | Bird | AS, RO             | Rear            |
| 69 | Eurasian Jackdaw           | Coloeus monedula        | Bird | UF, TB, TC         | Rear            |
| 70 | Eurasian Jay               | Garrulus glandarius     | Bird | TB, TC             | Rear            |
| 71 | Asian Koel                 | Eudynamys scolopaceus   | Bird | UF, TB, OS         | Summer Visitors |
| 72 | Common Cuckoo              | Cuculus canorus         | Bird | UF, TB, TC         | Summer Visitors |
| 73 | Lesser Cuckoo              | Cuculus poliocephalus   | Bird | TB, TC             | Summer Visitors |
| 74 | Ashy Drongo                | Edolius leucophaeus     | Bird | UF, RF, TB         | Summer Visitors |
| 75 | Black Drongo               | Edolius macrocercus     | Bird | UF, RF, TB, FD     | Summer Visitors |
| 76 | Crested Bunting            | Emberiza lathami        | Bird | CV, RF, OH         | Summer Visitors |
| 77 | Pine Bunting               | Emberiza leucocephalos  | Bird | OH, TC, PC, CV     | Winter Visitors |
| 78 | Rock Bunting               | Emberiza cia            | Bird | UF, TB, TC, PC     | Rear            |
| 79 | White-capped Bunting       | Emberiza stewarti       | Bird | UF, TB, CV         | Summer Visitors |
| 80 | Common Kestrel             | Falco tinnunculus       | Bird | UF, TB, TC, PC     | Rear            |
| 81 | Eurasian Hobby             | Falco subbuteo          | Bird | TB, OH, TC, OS, RF | Summer Visitors |

| 82  | Peregerine Falcon             | Falco peregrinus calidus       | Bird | RF, TB, OHRF, TB, OH | Winter Visitors  |
|-----|-------------------------------|--------------------------------|------|----------------------|------------------|
| 83  | Black-and-Yellow Grosbeak     | Mycerobas icterioides          | Bird | TB, TC, PC           | Rear             |
| 84  | Brambling                     | Fringilla montifringilla       | Bird | OS, TB, UF           | Winter Visitors  |
| 85  | Collared Grosbeak             | Mycerobas affinis              | Bird | TC, PC, FD           | Rear             |
| 86  | Common Rosefinch              | Erythrina erythrina            | Bird | RF, UF, AS, CV       | Summer Visitors  |
| 87  | Eurasian Goldfinch            | Carduelis carduelis            | Bird | TC, PC, DO, FD       | Rear             |
| 88  | Fire-fronted Serin            | Serinus pusillus               | Bird | RF, UF, TB           | Rear             |
| 89  | Himalayan Greenfinch          | Chloris spinoides              | Bird | TB, TC, AS, CV       | Summer Visitors  |
| 90  | Pink-browed Rosefinch         | Carpodacus rodochroa           | Bird | DO, AS, PS           | Rear             |
| 91  | Plain Mountain Finch          | Leucosticte nemoricola         | Bird | AS, PS, FD, RO       | Rear             |
| 92  | Red-browed Finch              | Callacanthis burtoni           | Bird | TC, PC               | Rear             |
| 93  | White-winged Grosbeak         | Mycerobas carnipes             | Bird | TC, PC, AS, FD       | Rear             |
| 94  | Asian House Martin            | Delichon dasypus               | Bird | UF, RF, CV           | Summer Visitors  |
| 95  | Barn Swallow                  | Hirundo rustica                | Bird | AQ, RF, UF           | Summer Visitors  |
| 96  | Red-rumped Swallow            | Cecropis daurica               | Bird | AQ, RF, UF           | Summer Visitors  |
| 97  | Bay-backed Shrike             | Lanius vittatus                | Bird | TB, RF, UF, CV       | Summer Visitors  |
| 98  | Grey-backed Shrike            | Lanius tephronotus             | Bird | TB, RF, UF, CV       | Summer Visitors  |
| 99  | Long Tailed Shrike            | Lanius schach                  | Bird | TB, RF, UF, CV       | Summer Visitors  |
| 100 | Brown-headed gull             | Chroicocephalus brunnicephalus | Bird | AQ, CV               | Passage Migrants |
| 101 | Bar-throated Minla            | Chrysominla strigula           | Bird | UF, AS, FD           | Rear             |
| 102 | Streaked Laughingthrush       | Trochalopteron lineatum        | Bird | UF, RF, TB           | Rear             |
| 103 | Variegated Laughingthrush     | Trochalopteron variegatum      | Bird | UF, RF, TB, AS       | Rear             |
| 104 | White-throated Laughingthrush | Garrulax albogularis           | Bird | UF, RF, TB, AS       | Rear             |
| 105 | European Bee-eater            | Merops apiaster                | Bird | OS, CV, OH           | Summer Visitors  |
| 106 | Asian Paradise Flycatcher     | Terpsiphone paradisi           | Bird | UF, RF, TB           | Summer Visitors  |
| 107 | Citrine Wagtail               | Motacilla citreola             | Bird | AQ, UF, RF, CV       | Summer Visitors  |
| 108 | Forest Wagtail                | Dendronanthus indicus          | Bird | TB, TC, OS           | Passage Migrants |
| 109 | Grey Wagtail                  | Motacilla cinerea              | Bird | UF, RF, CV,AQ        | Summer Visitors  |
| 110 | Paddyfield Pipit              | Anthus rufulus                 | Bird | CV, OS               | Rear             |

| 111 | Rosy Pipit                       | Anthus roseatus             | Bird | AS, RO, FD                 | Summer Visitors  |
|-----|----------------------------------|-----------------------------|------|----------------------------|------------------|
| 112 | Tree Pipit                       | Anthus trivialis            | Bird | TB, TC, PC, CV             | Summer Visitors  |
| 113 | Upland Pipit                     | Anthus sylvanus             | Bird | OH, RO, PC                 | Rear             |
| 114 | Western Yellow Wagtail           | Motacilla flava             | Bird | CV, AQ, UF                 | Passage Migrants |
| 115 | White Wagtail                    | Motacilla alba              | Bird | AQ, UF, TB,AS              | Summer Visitors  |
| 116 | Black Redstart                   | Phoenicurus ochruros        | Bird | RF, TB                     | Passage Migrants |
| 117 | Blue Whistling Thrush            | Myophonus caeruleus         | Bird | AQ, RF, UF, TB             | Rear             |
| 118 | Blue-capped Redstart             | Phoenicurus coeruleocephala | Bird | RF, UF, TB. AS             | Rear             |
| 119 | Blue-fronted Redstart            | Phoenicurus frontalis       | Bird | TB, DO, AS                 | Rear             |
| 120 | Blue-headed Rock-thrush          | Monticola cinclorhynchus    | Bird | RF, UF, TB, PC             | Summer Visitors  |
| 121 | Chestnut-bellied Rock- thrush    | Monticola rufiventris       | Bird | TC, PC                     | Rear             |
| 122 | Siberian Stonechat               | Saxicola torquatus          | Bird | RF, TB,TC                  | Summer Visitors  |
| 123 | Dark-sided Flycatcher            | Muscicapa sibirica          | Bird | TB,TC                      | Summer Visitors  |
| 124 | Desert Wheatear                  | Oenanthe deserti            | Bird | CV, OH                     | Summer Visitors  |
| 125 | Golden Bush Robin                | Tarsiger chrysaeus          | Bird | TB                         | Rear             |
| 126 | Grey Bushchat                    | Rhodophila ferrea           | Bird | RF, UF, TB                 | Rear             |
| 127 | Himalayan Red-flanked Bush-robin | Tarsiger rufilatus          | Bird | TB, TC, DO                 | Rear             |
| 128 | Indian Blue Robin                | Larvivora brunnea           | Bird | RF, UF                     | Summer Visitors  |
| 129 | Little Forktail                  | Enicurus scouleri           | Bird | AQ, RF                     | Rear             |
| 130 | Oriental Magpie-robin            | Copsychus saularis          | Bird | RF, UF, TB                 | Rear             |
| 131 | Pied Bushchat                    | Saxicola caprata            | Bird | TB, CV, OS                 | Rear             |
| 132 | Plumbeous Water-redstart         | Phoenicurus fuliginosus     | Bird | AQ, RF                     | Rear             |
| 133 | Spotted Forktail                 | Enicurus maculates          | Bird | AQ, RF                     | Rear             |
| 134 | Ultramarine Flycatcher           | Ficedula superciliaris      | Bird | UF, TB, TC, PC             | Summer Visitors  |
| 135 | Verditer Flycatcher              | Eumyias thalassinus         | Bird | UF, TB, TC, CV             | Summer Visitors  |
| 136 | White-capped River-chat          | Phoenicurus leucocephalus   | Bird | AQ, RF                     | Rear             |
| 137 | White-winged Redstart            | Phoenicurus erythrogastrus  | Bird | RF, AS, RO                 | Summer Visitors  |
| 138 | Indian Golden Oriole             | Oriolus kundoo              | Bird | UF, RF, TB                 | Summer Visitors  |
| 139 | Cinereous Tit                    | Parus cinereus              | Bird | RF, UF, TB, TC, PC, FD, CV | Rear             |

| 140 | Coal Tit                   | Periparus ater melanolophus | Bird | TB, TC, PC, FD         | Summer Visitors  |
|-----|----------------------------|-----------------------------|------|------------------------|------------------|
| 141 | Green-backed Tit           | Parus monticolus            | Bird | RF, UF, TB, TC, PC     | Rear             |
| 142 | Rufous-napped Tit          | Periparus rufonuchalis      | Bird | RF, UF, TB, TC, PC, FD | Rear             |
| 143 | House Sparrow              | Passer domesticus           | Bird | RF, UF, TB,CV          | Rear             |
| 144 | Cinnamon Sparrow           | Passer rutilans             | Bird | RF, UF, TB,CV          | Rear             |
| 145 | Indian Pond-heron          | Ardeola grayii              | Bird | AQ                     | Rear             |
| 146 | Little Egret               | Egretta garzetta            | Bird | AQ                     | Rear             |
| 147 | Great Cormorant            | Phalacrocorax carbo         | Bird | AQ                     | Winter Visitors  |
| 148 | Chukar Partridge           | Alectoris chukar            | Bird | TB, TC, OS, CV         | Rear             |
| 149 | Himalayan Monal            | Lophophorus impejanus       | Bird | PC, DO, AS, FD, PS     | Rear             |
| 150 | Kaleej Pheasant            | Lophura leucomelanos        | Bird | RF, TB, CV             | Rear             |
| 151 | Koklass Pheasant           | Pucrasia macrolopha         | Bird | TB, TC, PC, FD         | Rear             |
| 152 | Western Tragopan           | Tragopan melanocephalus     | Bird | DO, AS, RO             | Rear             |
| 153 | Common Chiffchaff          | Phylloscopus collybita      | Bird | RF, TB, DO, AS         | Winter Visitors  |
| 154 | Greenish Warbler           | Phylloscopus trochiloides   | Bird | TB, PC, AS, FD         | Summer Visitors  |
| 155 | Grey-hooded Warbler        | Phylloscopus xanthoschistos | Bird | TB, TC, DO, FD         | Rear             |
| 156 | Hume's Leaf-warbler        | Phylloscopus humei          | Bird | TB, DO, AS             | Summer Visitors  |
| 157 | Mountain Chiffchaff        | Phylloscopus sindianus      | Bird | AS, RO, FD             | Summer Visitors  |
| 158 | Pale-rumped warbler        | Phylloscopus chloronotus    | Bird | TB, DO, PC, AS         | Summer Visitors  |
| 159 | Orange-barred Leaf-warbler | Phylloscopus pulcher        | Bird | TB, PC, AS, CV         | Rear             |
| 160 | Smoky Leaf-warbler         | Phylloscopus fuligiventer   | Bird | AS, RO, FD             | Passage Migrants |
| 161 | Sulphur-bellied warbler    | Phylloscopus griseolus      | Bird | TC, PC, AS             | Summer Visitors  |
| 162 | Tickell's Leaf-warbler     | Phylloscopus affinis        | Bird | UF, TB, FD, CV         | Summer Visitors  |
| 163 | Western Crowned Warbler    | Phylloscopus occipitalis    | Bird | PC, AS                 | Summer Visitors  |
| 164 | Grey faced Woodpecker      | Picus canus                 | Bird | TB, FD                 | Rear             |
| 165 | Himalayan Pied Woodpecker  | Dendrocopos himalayensis    | Bird | TB, TC, PC, DO, FD     | Rear             |
| 166 | Speckled Piculet           | Vivia innominata            | Bird | TB, TC                 | Rear             |
| 167 | Little Grebe               | Tachybaptus ruficollis      | Bird | AQ                     | Rear             |
| 168 | Alpine Accentor            | Prunella collaris           | Bird | AS, RO, PS             | Rear             |

| 169 | Black-throated Accentor         | Prunella atrogularis          | Bird | UF, TC, FD          | Winter Visitors  |
|-----|---------------------------------|-------------------------------|------|---------------------|------------------|
| 170 | Rufous-breasted Accentor        | Prunella strophiata           | Bird | TC, PC, DO, FD, PS  | Rear             |
| 171 | Himalayan Parakeet              | Psittacula himalayana         | Bird | UF, TB              | Summer Visitors  |
| 172 | Plum-headed Parakeet            | Psittacula cyanocephala       | Bird | UF, RF, TB          | Summer Visitors  |
| 173 | Rose-ringed Parakeet            | Psittacula krameri            | Bird | UF                  | Summer Visitors  |
| 174 | Himalayan Black Bulbul          | Hypsipetes leucocephalus      | Bird | RF, UF, TB          | Rear             |
| 175 | Himalayan Bulbul                | Pycnonotus leucogenys         | Bird | RF, UF, TB, TC, PC  | Rear             |
| 176 | Common Moorhen                  | Gallinula chloropus           | Bird | AQ                  | Rear             |
| 177 | Eurasian Coot                   | Fulica atra                   | Bird | AQ                  | Rear             |
| 178 | Goldcrest                       | Regulus regulus               | Bird | TC, PC, FD          | Rear             |
| 179 | Eurasian Curlew                 | Numenius arquata              | Bird | AQ, CV              | Passage Migrants |
| 180 | Hume's Whitethroat              | Sylvia althaea                | Bird | AS, AQ              | Summer Visitors  |
| 181 | Kashmir Nuthatch                | Sitta cashmirensis            | Bird | TC, PC, FD          | Rear             |
| 182 | White-cheeked Nuthatch          | Sitta leucopsis               | Bird | TC, PC              | Rear             |
| 183 | Grey-headed Canary- flycatcher  | Culicicapa ceylonensis        | Bird | RF, TB, TC          | Summer Visitors  |
| 184 | Asian Barred Owlet              | Glaucidium cuculoides         | Bird | UF, TB, TC, PC      | Rear             |
| 185 | Collared Owlet                  | Glaucidium brodiei            | Bird | DO, PC              | Rear             |
| 186 | Tawny Owl                       | Strix aluco                   | Bird | PC, DO, TB          | Rear             |
| 187 | Brahminy Starling               | Sturnia pagodarum             | Bird | UF, TB              | Summer Visitors  |
| 188 | Common Myna                     | Acridotheres tristis          | Bird | RF, UF, CV          | Rear             |
| 189 | Wallcreeper                     | Tichodroma muraria            | Bird | OH, RO (River side) | Winter Visitors  |
| 190 | Black-chinned babbler           | Cyanoderma pyrrhops           | Bird | TB, OS              | Rear             |
| 191 | Rusty-cheeked Scimitar- babbler | Megapomatorhinus erythrogenys | Bird | Tb, TC, CV          | Rear             |
| 192 | Eurasian Wren                   | Troglodytes troglodytes       | Bird | RF, TB, DO, AS, RO  | Rear             |
| 193 | Black-throated Thrush           | Turdus atrogularis            | Bird | PC, AS, PS, FD      | Winter Visitors  |
| 194 | Chestnut Thrush                 | Turdus rubrocanus             | Bird | RF, UF, TB, TC      | Summer Visitors  |
| 195 | Grey-winged Blackbird           | Turdus boulboul               | Bird | UF, TB, TC          | Rear             |
| 196 | Mistle Thrush                   | Turdus viscivorus             | Bird | PC, TC, AS, FD      | Rear             |
| 197 | Plain-backed Thrush             | Zoothera mollissima           | Bird | PC, AS, RO          | Rear             |

| 198 | Tickell's Thrush   | Turdus unicolor       | Bird                          | TB,UF       | Summer Visitors |
|-----|--------------------|-----------------------|-------------------------------|-------------|-----------------|
| 199 | Common Hoopoe      | Upupa epops           | Bird                          | CV, UF      | Summer Visitors |
| 200 | Oriental White-eye | Zosterops palpebrosus | Bird                          | RF, UF, TB  | Summer Visitors |
| 201 | Butterfly          | Rhopalocera           | Insect                        | Every where | Rare            |
| 202 | Bee                | Apis sp.              | Insect                        | Every where | Rare            |
| 203 | Beetle             | Coleoptera            | Insect                        | Every where | Rare            |
| 204 | Mosquito           | Culix sp.             | Insect                        | Every where | Rare            |
| 205 | Lady bird          | Coccinella sp.        | Insect                        | Every where | Rare            |
| 206 | Fly                | Diptera               | Insect                        | Every where | Rare            |
| 207 | Bedbug             | Cimex Letularius      | Insect                        | Every where | Rare            |
|     |                    | habitat and           | l Terrestrial (land) habitat. |             |                 |
|     |                    |                       |                               |             |                 |
|     | AS                 | Alpine Scrub          |                               |             |                 |
|     | RO                 | Rockey Outcrops       |                               |             |                 |
|     | AE                 | Ariel Edges           |                               |             |                 |
|     | GD                 | Garbage Dumps         |                               |             |                 |
|     | ОН                 | Open Hill             |                               |             |                 |
|     | os                 | Open Scrub            |                               |             |                 |
|     | ТВ                 | Temperate Broadleaf   |                               |             |                 |
|     | TC                 | Temperate Conifer     |                               |             |                 |
|     | RF                 | Riparian Forest       |                               |             |                 |
|     | UF                 | Urban Forest          |                               |             |                 |
|     | <b>i</b>           | i                     |                               |             |                 |

Aquatic Forest

AQ

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