

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samity: Chingam-C

Taluk: Inderwal

District: Kishtwar

UT: Jammu & Kashmir

Geographical Area of the Panchayat Samity: 5 sq.km

Population under the Panchayat Samity: Total = 1702

Male: 870

Female: 832

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: 24/09/2022

Management Regime: Reserve Forests (RF) / Joint Forest Management (JFM) / Protected Areas (PA) / Community Owned and Managed Forests (COM)

Annexure 1

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

1) Name: Sunny Kumar S/o Roshan Lal

Age: 32 years

Gender: male

Address:

Area of specialization: Agricultural

2) Name: Ravinder Kumar S/o Sham Lal

Age: 30 years

Gender: male

Address:

Area of specialization: Agricultural

3) Name: Manzoor Ahmed S/o Gh. Ahmed

Age: 26 years

Gender: male

Address:

Area of specialization: Agricultural

4) Name: Gori Lal S/o Mangat Ram

Age: 55 years

Gender: male

Address:

Area of specialization: Agricultural

5) Name: Laxmi Raj S/o Sat Lal

Age: 28 years

Gender: male

Address:

Area of specialization: Agricultural

6) Name: Omi Devi W/o Roshan Lal

Age: 49 Years

Gender: Female

Address:

Area of specialization: Housewife

7) Name: Jameela Begum W/o Gh Ahmed

Age: 24 years

Gender: Female

Address:

Area of specialization: Housewife

7) Name: Mohd Qasim S/o Gh Nabi

Age: 45 years

Gender: Male

Address: L/Pehalgwara

Area of specialization: Agriculture

Annexure 2

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: Kant Ram S/o Mangat Ram

Age: 55 years

Gender: Male

Address: Chingaam

Area of Specialization: Hakim

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status: Medicinal use:

Name: Ratan Lal S/o Bhim Singh

Age: 43 years

Gender: Male

Address: Parna

Area of Specialization: Hakim

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status: Medicinal use:

Name: Nath Ram S/o Daya Ram

Age: 65 years

Gender: Male

Address: Budgam Chingam

Area of Specialization: Hakim

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status: Medicinal use:

Annexure 3

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

Name:

Age:

Gender: Address:

Area of specialization

Name:

Age:

Gender: Address:

Area of specialization

Name:

Age:

Gender: Address:

Area of specialization

Name:

Age:

Gender: Address:

Area of specialization

Annexure 4

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

1) Contact Person Name and Address:

2) Contact Person Name and Address:

3) Contact Person Name and Address:

4) Contact Person Name and Address:

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

Annexure 5

| 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 their sharing | | | | | |
|---|---|---|--|--|---|
| No | Name and address of the Person /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 imposed | Anticipated mode of sharing benefits or quantum of benefits shared |
| | | | | | |

Part II
PBR – Formats
AGROBIODIVERSITY
Format 1: Crop Plants

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|--------|---------------------------|--------------|---------|----------------------|--------------------|--------------|---------|---|-----------------|-------------------------|----------------------|---------------|--------------------------------------|-------------------------------|
| Crop | Scientific Name | Local Name | Variety | Landscape / Habitat | Approx. area shown | Local Status | | Special features | Cropping season | Uses | Associated TK | Other details | Source of Seeds/Plants | Community/ Knowledge Holder |
| | | | | | | Past | Present | | | | | | | |
| Rice | <i>Oryza sativa</i> | Dhan / tamul | Veliyan | Temperate conditions | NA | Plenty | Rare | Tall, high yield variety resistant to drought, pests & diseases | Aug-Sept | Food, Fodder | Provides more energy | Not-known | Local preserved | Locals/ Deptt. Of Agriculture |
| Wheat | <i>Triticum aestivum</i> | Gundam | Local | Temperate conditions | NA | Plenty | Plenty | -do- | May-June | Food, Fodder | Provides more energy | Not-known | Local preserved / Agriculture Deptt. | Locals/ Deptt. Of Agriculture |
| Barley | <i>Hordeum vulgare</i> | Jow | Local | Temperate conditions | NA | Plenty | Rare | -do- | May-June | Food, Fodder | Provides more energy | Not-known | Local preserved | Locals/ Deptt. Of Agriculture |
| Maize | <i>Zea mays</i> | Makki | Local | Temperate conditions | NA | Plenty | Plenty | -do- | Sept-Oct | Food, Fodder | Provides more energy | Not-known | Local preserved | Locals/ Deptt. Of Agriculture |
| Oat | <i>Avena sativa</i> | Lawn | Local | Temperate conditions | NA | Rare | Plenty | -do- | May-June | Food, Fodder | Provides more energy | Not-known | Local preserved / Agriculture Deptt. | Locals/ Deptt. Of Agriculture |
| Beans | <i>Phaseolus vulgaris</i> | Rajmash | Local | Temperate conditions | NA | Plenty | Plenty | Resistant to drought, pests & diseases | Sept-Oct | As vegetable and pickle | Provides more energy | Not-known | Local preserved | Locals/ Deptt. Of Agriculture |

| | | | | | | | | | | | | | | |
|-------|----------------------|-------------|-------|----------------------------|------|--------|--------|----------------|--------|---------------|---------------|-----------------|--------------------|--------------------|
| Mash | <i>Vigna mungo</i> | Kali Mash | Local | Temperate and Intermediate | 3 Ha | Plenty | Common | Distinct Taste | Kharif | Used as Pulse | - | Black in colour | Farmer saved seeds | Farmer |
| Moong | <i>Vigna radiata</i> | Moongi daal | Local | Temperate and Intermediate | - | Common | Rare | Distinct taste | Kharef | Used as pulse | Small in size | Green in colour | Farmer saved seeds | Locals and farmers |

Format 2: Fruit Plants

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|-------------------------|-------------|--|------------------------------------|--------------|----------|---|-------------------------------|--|------------------|-------------------------------|------------------------------|
| Plant | Scientific Name | Local Name | Variety | Landscape / Habitat | Local Status | | Source of Seeds/Plants | Season of Fruiting (Repining) | Associated TK | Uses | Other details market /own use | Community / Knowledge holder |
| | | | | | Past | Present | | | | | | |
| Apple | <i>Malus domestica</i> | Saib | Red delicious, Golden delicious, Ambri | Lowland valley / home gardens | Plenty | Plenty | Local preserved / Horticulture Deptt./ Pvt. Nursery | Aug-Sept | Reducing cholesterol, lowering blood sugar level | Nutritious value | Market / own use | Locals |
| Apricot | <i>Prunus armeniaca</i> | Khubani | Safeda, Qadri | -do- | Plenty | Common | Local preserved / grafting | June-July | Cures heart diseases | Nutritious value | Market / own use | Locals |
| Walnut | <i>Juglans regia</i> | Akhroot | Local | Lowland valley / Agricultural land | Plenty | Common | Local preserved / Horticulture Deptt. | Aug-Sept | Reduces prostrate cancer and diabetes | Nutritious value | Market / own use | Locals |
| Pear | <i>Pyrus communis</i> | Tang | Babugosha, Moti Daddi, Half red Naak, Misri Tang | -do- | Plenty | Common | Local preserved / grafting | Aug-Sept | Uses for mild digestion problems, diarrhea, severe cholera | Nutritious value | Market / own use | Locals |
| Peach | <i>Prunus persica</i> | Aadu | Local, Shan-e-Punjab, Amba | -do- | Plenty | Common | Local preserved | Aug-Sept | Provides more energy | Nutritious value | Market / own use | Locals |
| Grapes | <i>Vitis vinifera</i> | Angoor | Local / Hybrid | -do- | Rare | Moderate | Local preserved | Aug-Sept | Provides more energy | Nutritious value | Market / own use | Locals |
| Plum | <i>Prunus domestica</i> | Alu Bukhara | Santa Rosa / Local | Agriculture land | Rare | Rare | Local preserved / Seed shops | Aug-Sept | Provides more energy | Nutritious value | Market / own use | Locals |
| Quince | <i>Cydonia oblonga</i> | Beehi | Local | Agriculture land | Plenty | Rare | Local preserved / Seed shops | Aug-Sept | Provides more energy | Nutritious value | Market / own use | Locals |

Format 3: Fodder Crops / Species

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|-----------|-----------------------------|------------|---------------------|--------------|---------|---|--|--------------------|---------------------------------------|------------------------------|
| Plant | Scientific Name | Local Name | Landscape / Habitat | Local Status | | Source of Plants / Seeds | Associated TK | Part Used | Other details | Community / Knowledge holder |
| | | | | Past | Present | | | | | |
| Oak | <i>Quercus ilex</i> | Heru | Lowland / Forest | Plenty | Plenty | Natural propagation | Green leaves as fodder which provides more energy to livestock | Green Leaves | Also used as fuel wood & soil binder | Locals |
| Robenia | <i>Robinia pseudoacacia</i> | Kikar | Lowland / Forest | Common | Common | Natural propagation / Artificial regeneration | -do- | Green Leaves | Also a good soil binder plant | Locals |
| Ban oak | <i>Aescules indica</i> | Gug | Lowland / Forest | Common | Rare | Natural propagation / Artificial regeneration | -do- | Green Leaves | Also used as fuel wood | Locals |
| Ailanthus | <i>Ailanthus altissima</i> | Fak kul | Lowland / Forest | Plenty | Plenty | Natural propagation | -do- | Green Leaves | Also used as fuel wood | Locals |
| Willow | <i>Salix alba</i> | Ier kul | Lowland / Forest | Plenty | Common | Natural propagation / Artificial regeneration | -do- | Green Leaves | Also used as fuel wood | Locals |
| Fig | <i>Ficus carica</i> | Figura/Fog | Lowland / Forest | Plenty | Common | Natural propagation | Provides fodder and more energy to livestock | Green / dry Leaves | Fruit edible & also used as fuel wood | Locals |

| | | | | | | | | | | |
|-------------------------|------------------------------|--------------|----------------------------------|--------|----------|---|---|-------------|---|--------|
| Rice | <i>Oryza sativa</i> | Dhan / tamul | Temperate/ Lowland valleys | Common | Common | Local preserved | Provides fodder and more energy to livestock | Whole plant | Also provides food grains | Locals |
| Wheat | <i>Triticum aestivum</i> | Gundam | Temperate/ Lowland valleys | Plenty | Plenty | Local preserved / Agriculture Deptt. | Provides fodder and more energy to livestock | Whole plant | Also provides food grains | Locals |
| Barley | <i>Hordeum vulgare</i> | Jow | Temperate/ Lowland valleys | Plenty | Moderate | Local preserved | Green & dry plant used as fodder for the livestock | Whole plant | Also provides food grains | Locals |
| Maize | <i>Zea mays</i> | Makki | Temperate/ Lowland valleys | Plenty | Plenty | Local preserved | Provides fodder and more energy to livestock | Whole plant | Also provides food grains | Locals |
| Oat | <i>Avena sativa</i> | Lawn | Temperate/ Lowland valleys | Rare | Plenty | Local preserved / Agriculture Deptt. | Green & dry plant used as fodder for the livestock | Whole plant | Fodder crop | Locals |
| Bathua | <i>Chenopodium album</i> | Kunh | Temperate/ Lowland valleys | Plenty | Plenty | Natural propagation | As Fodder | Whole plant | Eaten as a highly nutritious vegetable | Locals |
| Narrow leaf plantain | <i>Plantago lanceolata</i> | Plantain | Temperate | Plenty | Plenty | Natural propagation | Provides a mineral rich forage to the animals | Leaves | NA | Locals |

Format 4: Weeds

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|-------|-------------------------------|------------|---------------|------------------------------|---------------------|--------------|---------|--------------|---------------------|------------------------------------|-----------------------------------|------------------------------|
| Plant | Scientific Name | Local Name | Affected crop | Impact | Landscape / Habitat | Local Status | | Uses if any | Management options | Associated TK | Other details like exotic | Community / Knowledge holder |
| | | | | | | Past | Present | | | | | |
| Grass | <i>Cynodon dactylon</i> | Dhrub | Every crop | Less growth of affected crop | Forest / Lowland | Plenty | Plenty | Fodder grass | Manual plucking out | Religious purpose | Not reported | Locals |
| Grass | <i>Marsilea quadrifolia</i> | Grass | Rice | -do- | Lowland | Plenty | Plenty | - | Manual plucking out | Weed | Not reported | Locals |
| Grass | <i>Echinochloa crus-galli</i> | Grass | Rice | -do- | Lowland | Plenty | Plenty | - | Manual plucking out | Weed | Not reported | Locals |
| Grass | <i>Anagallis arvensis</i> | Grass | Maize | -do- | Lowland | Plenty | Plenty | - | Manual plucking out | Weed | Not reported | Locals |
| Grass | <i>Lolium temulentum</i> | Rye grass | Wheat | -do- | Lowland | Plenty | Plenty | - | Manual plucking out | Weed adversely affect crop quality | Not reported | Locals |
| Plant | <i>Malva sylvestris</i> | Sotsal | Vegetables | -do- | Lowland | Plenty | Plenty | - | Manual plucking out | Medicinal use | Not reported | Locals |
| Plant | <i>Cannabis sativa</i> | Bhang | Every crop | -do- | Forest /Lowland | Plenty | Plenty | - | Manual plucking out | Religious purpose | Making Charas (intoxicating drug) | Locals |
| Plant | <i>Carduus nutans</i> | Kond posh | Every crop | -do- | Forest /Lowland | Plenty | Plenty | - | Manual plucking out | Weed | Not reported | Locals |
| Plant | <i>Utrica dioica</i> | Soi | Every crop | -do- | Forest /Lowland | Plenty | Plenty | - | Manual plucking out | Weed | Not reported | Locals |

| | | | | | | | | | | | | |
|-------|----------------------------|-----------------------------|-------------|------|-----------------------------|----------|--------|-------------------------|--------------------------------------|---|----------------|-----------------------|
| Herb | <i>Plantago lanceolata</i> | Plantain | Every crop | -do- | Temperate/ low land | Plenty | Plenty | As fodder | Manual plucking out | NA | Exotic species | Locals and farmers |
| Herb | <i>Ipomoea purpurea</i> | Sornai, morning glory | Every crop | -do- | Temperate/ low land | Plenty | Plenty | As fodder | Manual plucking out | NA | Not reported | Locals and farmers |
| Shrub | <i>Xanthium strumarium</i> | Cockleburr | Every crop | -do- | Temperate/ low land | Moderate | Plenty | None | Manual plucking out | Fruit gets attached to the animal fur causing economic loss to the livestock industry | Exotic species | Locals and farmers |
| Herb | <i>Phalaris minor</i> | Sitli | Wheat | -do- | Temperate & intermediate | Common | Plenty | Nil | Manual plucking out | Reduces the yield of the crop | Local | Locals and farmers |
| Herb | <i>Amaranthus viridis</i> | Cholai | Rice, Maize | -do- | Temperate/ Fields | Plenty | Plenty | Eaten as a vegetable | Pesticide spraying / plucking out | Rich source of proteins and amino acids | Not reported | Locals and farmers |
| Shrub | <i>Xanthium spinosum</i> | Cockleburr | Every crop | -do- | Temperate/ low land | Moderate | Plenty | None | Manual plucking out | Fruit gets attached to the animal fur causing economic loss to the livestock industry | Exotic species | Locals and farmers |
| Shrub | <i>Datura stramonium</i> | Dhatara | Every crop | -do- | Temperate & intermediate | Common | Plenty | None | Manual plucking out | Religious purpose | Not reported | Locals and farmers |

Format 5: Pests of Crops

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---------------|-----------------|--|-----------------------------------|----------------------------|-------------------------|--|-------------------------------------|--|----------------------------|
| Host | Insect / Animal | Scientific name | Local name | Habitat | Time / season of attack | Management mechanism | Associated TK | Other details | Community knowledge holder |
| Deodar tree | Insect | <i>Ectropis deodarae</i> | Deodar defoliator | On host | July to Oct | Insecticide application | Not reported | Leaf defoliator | Farmers, locals |
| Kail tree | Fungi | <i>Lophodermium macci</i> | Fungus | On host and fallen needles | July to Oct | Insecticide application | Not reported | Leaf defoliator | Farmers, locals |
| Fir tree | Fungi | <i>Fusarium pallidroseum</i> | Fungus | On host and fallen needles | July to Oct | Insecticide application | Not reported | Leaf defoliator | Farmers, locals |
| Maize | Insect | <i>Helicoverpa zea</i> | Corn earworm | Farm fields | - | Insecticide application | Leaf damager | Not known | Farmers, locals |
| Maize | Animal | <i>Rattus norvegicus</i> | Rat | Farm fields | After flowering | Rodenticide treatment | Roots and fruit damager | Not known | Farmers, locals |
| Polyphagus | Insect | <i>Pieris brassicae</i> | Pediyani/ White cabbage butterfly | Farm fields | May- Sept | Insecticide application | Damages plant and reduces the yield | Not known | Farmers, locals |
| Peach, plum | Insect | <i>Brachycaudus helichrysi</i> | Leaf- curling aphid | On host | May- October | Insecticide application | Damages the crop | Leaf defoliator | Farmers, locals |
| Apple, Pear | Insect | <i>Eriosoma lanigerum</i> | Woolly aphid | On host and fallen leaves | May- October | Insecticide application | Damages the plant and crop | Not known | Farmers, locals |
| Polyphagous | Mammal | <i>Rhesus macaque & Semnopithecus ajax</i> | Monkey | Found around habitations | Summers | Scaring them away manually & by using scarecrows in the fields | Damages the plant and crop | cause great economic loss to the farmers | Farmers, locals |
| Maize, Fruits | Mammal | <i>Ursus thibetanus</i> | Reech/ Bhalu/ yecch | Forests | Summers | Scaring them away manually and by using scarecrows in the fields | Damages the plant and crop | cause great economic loss to the farmers | Farmers, locals |

| | | | | | | | | | |
|--------|--------|-------------------------------|----------------------|---------|---------|--------|----------------------------|-------------------------------------|-----------------|
| Maize | Mammal | <i>Hystrix indica</i> | Porcupine/ Shale | Forests | Summers | Manual | Damages the plant and crop | causes economic loss to the farmers | Farmers, locals |
| Walnut | Mammal | <i>Eoglaucomys fimbriatus</i> | Flying squirrel/ een | Forests | Summers | NA | Damages the crop | causes economic loss to the farmers | Farmers, locals |

Format 7: Peoplescape

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

Format 8: Landscape

| 1 | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------------------------|-------------|----------------|------------------|---------------------------|-------------------------|---------------|---------------|-------------------|----------------------|--------------|---------------|---------------|--------------------|
| Major Landscapes | | | Sub - Landscapes | Features and approx. area | Ownership | General flora | General fauna | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Agricultural land | Pond | Fallow land | | | | | | | | | | | |
| Cultivated/ Non-cultivated | Nil | Non-cultivated | Mountainous | NA | Govt. & privately owned | Deodar | Cow | Local Inhabitants | NA | Agriculture | NA | NA | Locals & Govt. |
| | | | | | | Kail | Mule | | | | | | |
| | | | | | | Grasses | Jackal | | | | | | |
| | | | | | | Champ | Dog | | | | | | |
| | | | | | | Akhroot | Cats | | | | | | |
| | | | | | | Chinar | Rat | | | | | | |
| | | | | | | Fig | Lizard | | | | | | |
| | | | | | | Apricot | Snake | | | | | | |
| | | | | | | Hiroo | Pigeon | | | | | | |
| | | | | | | Mohru | House sparrow | | | | | | |
| | | | | | | Kiker | Mosquito | | | | | | |
| | | | | | | Dandelion | Crow | | | | | | |
| | | | | | | Banafsha | Spider | | | | | | |
| | | | | | | Brun | Butterflies | | | | | | |
| | | | | | | Fak kul | Owl | | | | | | |
| Kumlaie | Dragonflies | | | | | | | | | | | | |

Format 9: Waterscape

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------------------|-----------|--|-----------|--|--|----------------------|----------------------------|--------------------------------|--|---------------|---------------|--------------------|
| Waterscape element type | Sub- type | Features and approx area | Ownership | General flora | General fauna | Major uses | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Lotic | River | Sinthan-Chingam | Govt. | Mostly planktons, trees, ferns, bryophytes & pteridophytes | Amphibians, fishes, insects, annelids etc. | Irrigation drinking | Panchayat villages, locals | Unknown | irrigation, fishing, washing | NA | NA | Locals |
| | Nallah | Bachan, Bongam, Gwadin, Mornad, | Govt. | Mostly planktons, trees, ferns, bryophytes & pteridophytes | Amphibians, fishes, insects etc. | Irrigation purpose | Panchayat villages, locals | Occasional de-silting, bunding | Irrigation, fishing, washing, drinking | NA | NA | Locals |
| | Springs | Kotarna, Berin khalan, kulmullah, bachan, bongam, watsar nag | Govt. | Mostly planktons, trees, ferns, bryophytes & pteridophytes | Amphibians, insects, annelids etc. | Drinking, irrigation | Panchayat villages, locals | Occasional de-silting | Irrigation, washing, drinking | NA | NA | Locals |

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 |
| Sandy | Red and Sandy | Does not retain water frequent irrigation | Recharged with leaf manure, animal waste compost | Conifer plants, broad leaved plants, Fruit plants, NTFP species, Wheat, barley, maize, rice and some seasonal vegetables. | Domesticated /wild plants and animals | Provides good quality of timber, fuelwood, NTFP, food and fodder | - |

Format 11: Fruit Trees

DOMESTICATED BIODIVERSITY

| 1 | 2 | 3 | 4 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 |
|------------|------------|-------------------------|--|---------------------------------------|--------------|----------|---|-------------------------------------|---------------------|--|------------------------------------|----------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Landscape/ Habitat | Local Status | | Source of plant/seeds | Season of Fruiting (Repining) | Uses (usage) | Associated TK | Other details market/own use | Community/ Know. holder |
| | | | | | Past | Present | | | | | | |
| Apple | Saib | <i>Malus domestica</i> | Red delicious, Golden delicious, Ambri | Lowland valley / home gardens | Plenty | Plenty | Local preserved / Horticulture Deptt. | Aug-Sept | Nutritious value | Reducing cholesterol, lowering blood sugar level | Market / own use | Locals |
| Apricot | Khubani | <i>Prunus armeniaca</i> | Safeda, Qadri | -do- | Plenty | Common | Local preserved / grafting | June-July | Nutritious value | Cures heart diseases | Market / own use | Locals |
| Walnut | Akhroot | <i>Juglans regia</i> | Local | Lowland valley / Agricultural land | Plenty | Common | Local preserved / Horticulture Deptt. | Aug-Sept | Nutritious value | Reduces prostrate cancer and diabetes | Market / own use | Locals |
| Pear | Tang | <i>Pyrus</i> | Babugosha, Moti Daddi, Half red Naak, Misri Tang | -do- | Plenty | Common | Local preserved / grafting | Aug-Sept | Nutritious value | Uses for mild digestion problems, diarrhea, severe cholera | Market / own use | Locals |
| Peach | Aaadu | <i>Prunus armwniaca</i> | Local, Shan-e- Punjab, Amba | -do- | Common | Common | Local preserved | Aug-Sept | Nutritious value | Provides more energy | Market / own use | Locals |
| Grapes | Angoor | <i>Vitis vinifera</i> | Local / Hybrid | -do- | Moderate | Moderate | Local preserved | Aug-Sept | Nutritious value | Provides more energy | Market / own use | Locals |
| Plum | Ore | <i>Prunus domestica</i> | Local / Hybrid | -do- | Plenty | Rare | Local preserved / Seed shops | Aug-Sept | Nutritious value | Provides more energy | Market / own use | Locals |
| Quince | Beehi | <i>Cydonia oblonga</i> | Local | -do- | Plenty | Rare | Local preserved / Seed shops | Aug-Sept | Nutritious 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/ Habitat | Source of plant/seeds | Local status | | Uses (usage) | Part used | Associated TK | Other details market/own use | Community/ Know. Holders |
| | | | | | | Past | Present | | | | | |
| Shrub | Khumlai | <i>Berberis lycium</i> | Wild (NTFP) | Lowlands / forests | Naturally grown | Plenty | Plenty | Rasaunt as cooling agent | Roots | Used in various Ayurvedic formulations | Own use | Locals and Bakerwals |
| Herb | Dhrub | <i>Cynodon dactylon</i> | Wild | Temperate | Natural | Plenty | Common | Used as a laxative,coolant. Also useful in bleeding & skin troubles. | Whole plant | Religious purpose | Own use | Locals |
| Herb | Pudina | <i>Mentha longifolia</i> | Wild | Temperate | Natural | Plenty | Plenty | Used in sauces and dips as a cooling agent | Leaves | Respraitory ailments, to treat wounds | Own use | Locals |
| Tree | Haadi | <i>Prunus armeniaca</i> | Local | Temperate | Natural | Plenty | Rare | as a fruit | Whole plant | Antisposmodic, chronic bronchitis | Market/ own use | Locals |
| Tree | Fog, feku | <i>Ficus palmata</i> | Wild | Temperate | Natural | Plenty | Rare | as fruit and fodder | Fruit | used for skin diseases, treatment of lungs & bladder diseases | Own use | Locals |
| Tree | Akhroot | <i>Juglans regia</i> | Local | Temperate | Natural | Plenty | Moderate | fruit relished as as nut | Leaves,Fruit, | leaves are used in treatment of chronic coughs,asthma, purifation of blood and to treat diabetes | Market/ own use | Locals |
| Herb | Hamesh- Bahar | <i>Calendula officinalis</i> | Wild | Temperate | Natural | Plenty | Rare | As an ornamental | Flower,leaf | Used for skin disease, burns | Own use | Locals |
| Herb | Ganda/ Onion | <i>Allium cepa</i> | Local/hybrid | Temperate | Farmers/ shops | Plenty | Plenty | as a spice and salad | Bulb, Leaves | Anti inflammatory, antiseptic | Market/ own use | Locals |
| Herb | Thom/ Garlic | <i>Allium sativum</i> | Local/hybrid | Temperate | Farmers/ shops | Plenty | Plenty | as a spice in curries | Bulbs | Fever, diabetics, swellings | Market/ own use | Locals |
| Herb | Mooli | <i>Raphanus sativus</i> | Local/hybrid | Temperate | Farmers/ shops | Plenty | Plenty | as vegetable and as salad | Leaves root | To treat constipation & hypertension | Market/ own use | Locals |

| | | | | | | | | | | | | |
|---------|--------------------|--------------------------------|--------------|-----------|---------------------|--------|--------|---|------------------------------|---|-----------------|--------|
| Climber | All, kaddu | <i>Cucurbita pepo</i> | Local/hybrid | Temperate | Farmers/ shops | Plenty | Plenty | as vegetable | Fruit | Anti inflamentry, anti viral, anti ulcer | Market/ own use | Locals |
| Herb | Green Chilly | <i>Capsicum annuum</i> | Local/hybrid | Temperate | Farmers/ shops | Plenty | Plenty | as spice and salad | Fruit | Good for immune system, eye sight. | Market/ own use | Locals |
| Herb | Rohan-hak/ Pran | <i>Allium carolinianum</i> | Wild/Local | Temperate | Natural/ farmers | Plenty | Rare | Used in curries as a substitute for onion. | Bulbs, Leaves, Flowers | Useful in maintaining blood chloesterol, also used as a digestive tonic | Market/ own use | Locals |

Format 13: Ornamental Plants/ Trees/Climbers etc.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------|------------|----------------------------|--------------|-------------------------------|---------------------------|-------------------|---|--|----------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Source of plant/seeds | Commercial/non-commercial | Uses | Associated TK | Other details | Community/ Know. holder |
| Broad leaved | Chinar | <i>Platanus orientalis</i> | Local | Forest / private nurseries | Non-commercial | Ornamental | Provides cool shade and home for many birds | Dried leaves are used as Kangri fuel | Locals |
| Broad leaved | Ier kull | <i>Salix alba</i> | Willow local | From cutting of willow tree | Commercial | Ornamental | Provides beauty of home garden etc | Also used in making cricket bats | Locals |
| Broad leaved | Safeda | <i>Populus ciliata</i> | Local | From cutting of populous tree | Commercial | Ornamental | Provides beauty of land | Used in fruit packing and plywood industries | Locals |
| Shrub | Gainda | <i>Tagetes erecta</i> | Local | Preserved seed | Non-commercial | Ornamental | Provides beauty of home garden | Also used for religious purpose | Locals |
| Shrub | Gulab | <i>Rosa indica</i> | Local | From cuttings | Non-commercial | Ornamental | Provides beauty of home garden | Also used for religious purpose | Locals |
| Shrub | Dhaliya | <i>Dahlia pinnata</i> | Local | Rhizomes of flower plant | Non-commercial | Ornamental | Provides beauty of home garden | Also used for religious purpose | Locals |
| Herb | Nargis | <i>Narcissus tazetta</i> | Wild | Bulbs | Non-commercial | Religious purpose | NA | NA | Locals |
| Climber | Chameli | <i>Jasminum officinale</i> | Wild | Cuttings | Non-commercial | Religious purpose | NA | NA | Locals |

Format 14: Timber Plants / Trees

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|--------------|------------|--------------------------|-----------------------|--------------|---------|--------------------|--|--|---|-------------------------|
| Plant Type | Local Name | Scientific Name | Habitat | Local status | | Wild/ home-garden | Other uses (multi) | Associated TK | Other details | Community/ Know. holder |
| | | | | Past | Present | | | | | |
| Conifer | Dair | <i>Cedrus deodara</i> | Forests | Plenty | Plenty | Wild | Cedrus oil is used as a treatment of piles, kidney stone and diabetes etc. | Provides durable timber, fuelwood and for religious purpose | Evergreen tree having a conic crown with level dropping branches like X-mass tree | Locals |
| Conifer | Kail | <i>Pinus wallichiana</i> | Forests | Plenty | Plenty | Wild | Timber and furniture | Provides durable timber & fuelwood | Evergreen tree native to the Himalaya, Karakoram and Hindukush mountain | Locals |
| Conifer | Fir | <i>Abies pindrow</i> | Forests | Plenty | Plenty | Wild | Timber and furniture | It helps in treating fever, cough and cold. Provides timber and furniture for houses. | Evergreen tree growing to 40-60 m tall with conical crown and level branches | Locals |
| Broad leaved | Akhroot | <i>Juglans regia</i> | Private land / Forest | Plenty | Plenty | Wild / home garden | Furniture / agricultural implements | Walnut used as nutritious fruit. Its bark and leaves as well as the husk of seeds are used in different medicines and dyes | Deciduous tree | locals |

Format 15: Domesticated Animals

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|-------------|------------|-------------------------|-------------------------|--|------------------------------|--------------|---------|--------------------|----------------------|--------------------|---|-------------------------|
| Animal Type | Local Name | Scientific Name | Breed (local/hybrid) | Features | Method of keeping | Local status | | Uses | Associated TK | Commercial rearing | Other details including products and services | Community Know. Holders |
| | | | | | | Past | Present | | | | | |
| Sheep | Bhead | <i>Ovis aries</i> | Local | Small size rough coat | Flock rearing | Plenty | Rare | Mutton and wool | Yes | Yes | Mutton, wool, manure, bones and hides | Locals |
| Sheep | Bhead | <i>Ovis aries</i> | Rambouillet cross bread | Large size low body weight | Flock rearing | Rare | Plenty | Mutton and wool | Yes | Yes | Mutton, wool, manure, bones and hides | Locals |
| Goat | Bakri | <i>Capra hircus</i> | Local | Small size low body weight | Flock rearing | Plenty | Rare | Mutton and wool | Yes | Yes | Mutton, wool, manure, bones and hides | Locals |
| Goat | Bakri | <i>Capra hircus</i> | Kaghani, bakasooli | Large size high body weight | Flock rearing | Rare | Plenty | Mutton and wool | Yes | Yes | Mutton, wool, manure, bones and hides | Locals |
| Cow | Gaay | <i>Bos taurus</i> | Local/ Desi/Jersey | Cow have hooves on there feet and can weight upto 400 pounds | Flock rearing/ Domestication | Plenty | Rare | Milk, Cow dung | Milk good for health | Yes | High milk production | Locals |
| Buffalo | Bhains | <i>Bubalus bubalis</i> | Local | Dark slab colour less | Domestication | Common | Common | Milk, Dung | Milk good for health | Yes | High milk production | Locals |
| Ox | Bael | <i>Bos taurus</i> | Local | For ploughing | Domestication | Plenty | Rare | For ploughing | Use for ploughing | Yes | Use for ploughing | Locals |
| Dog | Kutta | <i>Canis familiaris</i> | Local/ Bakerwal | Small to median height, white, brown black in colour | Domestication | Plenty | Common | Guard, hunting dog | Nil | No | Nil | Locals |

| | | | | | | | | | | | | |
|---------|----------|--------------------------|--------------|---|---------------------------------|--------|--------|---------------------------------|-----|-----|-----|--------|
| Cat | Billi | <i>Felis catus</i> | Local | Small, greyish black, white in colour | Wild/ Domestication | Common | Common | Pest control | Nil | No | Nil | Locals |
| Horse | Ghoda | <i>Equus caballus</i> | Local | Large strong animals, 60- 70 inches in height | Domestication/ Flock rearing | Plenty | Common | Used in riding and transport | Nil | Yes | NA | Locals |
| Mule | Khacchar | <i>Equus mulus</i> | Local | Generally brown, grey or black in colour, 55 to 65 inches in height | Domestication | Common | Plenty | Used as draught and pack animal | Nil | Yes | Nil | Locals |
| Poultry | Kukad | <i>Gallus domesticus</i> | Desi/ Hybrid | Enriched meat flavour, high egg yield | Domestication/ Rearing | Plenty | Common | Egg/Meat | Nil | Yes | Nil | Locals |
| Donkey | Gadha | <i>Equus asinus</i> | Local | White, black or grey in colour, smaller than a horse | Domestication | Plenty | Common | Used as a beast of burden | Nil | Yes | NA | Locals |

WILD BIODIVERSITY

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

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
|------------|------------|-----------------------------|-------|----------------------|--------------|---------|------------------------|----------------|--|--|----------------------------|
| Plant Type | Local Name | Scientific Name | Habit | Habitat | Local status | | Commercial / own use | Part collected | Associated TK | Other details | Community Knowledge Holder |
| | | | | | Past | Present | | | | | |
| Tree | Deodar | <i>Cedrus deodara</i> | Land | Forest | Plenty | Common | Commercial and own use | Wood | Cedrus oil is often used for its aromatic property | It has a conic crown with level branches and dropping branch let | Locals |
| Tree | Kail | <i>Pinus wallichiana</i> | Land | Forest | Plenty | Common | Commercial and own use | Wood | Provide durable timber | Conifer plant | Locals |
| Tree | Fir | <i>Abies pindrow</i> | Land | Temperate forest | Plenty | Common | Commercial and own use | Wood | It helps in mitigating the level of anxiety | It help in treating fever, cough and cold | Locals |
| Tree | Oak | <i>Quercus ilex</i> | Land | Forest/ Private land | Plenty | Common | Own uses | Leaves & Wood | Fodder & Fuel wood | Evergreen B.L tree | Locals |
| Tree | Bren | <i>Alnus villosa</i> | Land | Forest | Plenty | Common | Own use | Wood | Fodder and fuel wood | For religious purpose | Locals |
| Tree | Champ | <i>Alnus nitida</i> | Land | Forest | Plenty | Common | Own use | Wood | Fuel wood | Found on riverside | Locals |
| Tree | Zum | <i>Prunus cornuta</i> | Land | Forest | Plenty | Common | Own use | Wood | Fuel wood | - | Locals |
| Tree | Willow | <i>Salix alba</i> | Land | Forest/ Pvt | Plenty | Common | Commercial /Own use | Leaves & Wood | Cricket Bat | Fodder | Locals |
| Herb | Dhoop | <i>Jurinea macrocephala</i> | Land | Pasture | Plenty | Rare | Own use | Root | Dhoop / Agarbati sticks | NTFP | Locals |
| Herb | Kour | <i>Picrorhiza kurroa</i> | Land | Mountain region | Plenty | Rare | Own use | Root | Medicinal use | NTFP | Locals |

| | | | | | | | | | | | |
|---------|-------------|-------------------------------|-------------|--------------------------------------|--------|----------|---------------------|----------------|--|----------------------------------|--------|
| Herb | Bankakri | <i>Podophyllum hexandrum</i> | Land | Mountain region | Plenty | Rare | Own use | Root | Used for cancer treatment | NTFP | Locals |
| Herb | Kuth | <i>Saussurea lappa</i> | Land | Mountain region | Plenty | Rare | Own use | Root | Medicinal use | NTFP | Locals |
| Herb | Nagchattri | <i>Trillium govaniatum</i> | Land | Mountain region | Plenty | Rare | Own use | Root | Medicinal use | NTFP | Locals |
| Herb | Krees | <i>Dioscorea deltoidea</i> | Land | Mountain region | Plenty | Moderate | Own use | Root | Medicinal use | NTFP | Locals |
| Shurb | Kaimbli | <i>Berberis lycium</i> | Land | Forest/ private | Plenty | Moderate | Own use | Root | Medicinal use | NTFP | Locals |
| Grasses | Dhrub grass | <i>Cynodon dactylon</i> | Land | Moist and warm climate | Plenty | Plenty | Own use | Branch | Medicinal use | Religious purpose | Locals |
| Climber | Ivy | <i>Hedera helix</i> | Land | woodland, grassland, town and garden | Plenty | Common | Own use | Branch | Medicinal use | Parasite | Locals |
| Tree | Shehtut | <i>Morus alba</i> | Terrestrial | Temperate | Common | Common | Commercial /Own use | Bark, fruit | Asthma, Bronochits | Leaves used to feed silkworm | Locals |
| Herb | Handh | <i>Taraxacum officinale</i> | Terrestrial | Temperate | Common | Common | Commercial /Own use | Leaves | Useful for digestive troubles and also used as a stimulant for pancreas and kidney function. | Tea useful to treat liver damage | Locals |
| Fungi | Gucchi | <i>Morchella esculenta</i> | Terrestrial | Temperate | Plenty | Rare | Commercial /Own use | Whole part | Edible,laxative,body tonic,stomach problem | Economically important | Locals |
| Tree | Bhoj patra | <i>Betula utilis</i> | Terrestrial | Temperate | Plenty | Rare | Commercial /Own use | Bark | Bark is used for writing lengthy scriptures & texts,also used for packaging | Religious purpose | Locals |
| Herb | | <i>Corydalis thyrsoiflora</i> | Terrestrial | Temperate | Plenty | Common | Commercial/ own use | Rhizomes,Fruit | used in treatment of tumor | NTFP | Locals |

| | | | | | | | | | | | |
|------|------------------------------------|-------------------------------------|------------------|-----------|--------|----------|---------------------|----------------------|---|------------------------|--------|
| Herb | Pit papara, papara | <i>Fumaria indica</i> | Terrestrial | Temperate | Plenty | Moderate | Commercial/ own use | Roots ,Stem,Bar k | used as an immunity booster | Medicinal | Locals |
| Herb | Shephard's purse, toree ghas | <i>Capsella bursa- pastoris</i> | Terrestrial | Temperate | Plenty | Common | Commercial/ own use | Rhizomes | used to treat gynecology infections | NTFP | Locals |
| Herb | | <i>Erysimum melicentae</i> | Terrestrial | Temperate | Plenty | Rare | Commercial/ own use | Whole Plant | used to heal broken bones,treat inflammation from fractures | NTFP | Locals |
| Herb | | <i>Iris hookeriana</i> | Terrestrial | Temperate | Plenty | Moderate | Commercial/ own use | Flowers | used against ulcers,disorders of lungs. | NTFP | Locals |
| Herb | Rumkath, Budarkath | <i>Verbascum thapsus</i> | Terrestrial | Temperate | Plenty | Rare | Commercial/ own use | Leaves | Useful to treat pulmonary problems, inflammatory diseases, asthma, diarrhoea & migraine headaches. | Medicinal | Locals |
| Herb | Pamchalan/ chukri | <i>Rheum australe</i> | Grow Annually | Forest | Plenty | Rare | Commercial/ own use | Roots | Used as laxative, tonic & as a remedy for fever,cough,indigestion & menstrual disorders. | Economically important | Locals |

Format 19: Wild Plant Species of Importance

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|--------------|------------------------------|-------------|---|--------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance (as economic, social, cultural etc.) | Status |
| 1 | Dhoop | <i>Jurinea macrocephala</i> | NTFP | Economic and social | Plenty |
| 2 | Kour | <i>Picrorhiza kurrooa</i> | NTFP | Economic and social | Rare |
| 3 | Bankakri | <i>Podophyllum hexandrum</i> | NTFP | Economic and social | Rare |
| 4 | Kuth | <i>Saussurea lappa</i> | NTFP | Economic and social | Rare |
| 5 | Nagchattri | <i>Trillium govanianum</i> | NTFP | Economic and social | Rare |
| 6 | Krees | <i>Dioscorea deltoidea</i> | NTFP | Economic and social | Rare |
| 7 | Belladonna | <i>Atropa accuminata</i> | NTFP | Economic and social | Rare |
| 8 | Pamchalan | <i>Rheum australe</i> | NTFP | Economic and social | Rare |
| 9 | Chorai | <i>Angelica glauca</i> | NTFP | Economic and social | Rare |
| 10 | Hund | <i>Taraxacum officinalis</i> | NTFP | Economic and social | Plenty |
| 11 | Hamesh bahar | <i>Calendula officinalis</i> | NTFP | Economic and social | Plenty |
| 12 | Kajuban | <i>Arnebia benthamii</i> | NTFP | Economic and social | Plenty |
| 13 | Kulmash | <i>Viburnum cotinifolium</i> | Bush/ Shrub | Social | Plenty |
| 14 | Neel kanth | <i>Ajuga bracteosa</i> | Wild | Social | Plenty |
| 15 | Suchal | <i>Malva neglecta</i> | Wild | Social | Plenty |
| 16 | Bhang | <i>Cannabis sativa</i> | Wild | Economic and social | Plenty |
| 17 | Plum | <i>Prunus persica</i> | Wild | Economic & Social | Common |
| 18 | Gucchi | <i>Morchella esculenta</i> | Wild | Economic & Social | Common |

Format 20: Aquatic Biodiversity

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 |
|------------------------|---------------------------------|-------------------------|--|-----------------------------|--------------|----------|--------------------------------------|---|--|------------------------------|
| Local Name | Scientific Name | Variety | Features | Habitat | Local Status | | Uses | Associated TK | Other details | Community / Knowledge Holder |
| | | | | | Past | Present | | | | |
| Frog (Mundak) | <i>Rana tigrina</i> | - | Long very powerful back led and web feet | Pond/river | Plenty | Rare | Important role in food chain | Frog are natures pharmacy and provide a very efficient transfer of solar energy | Maintain food chain and food wed. | Locals |
| Gaad | <i>Schizothorax reticulatum</i> | Indigenous | Elongated tube form with short snout, barbules, lower lip folded | Snow fed streams and rivers | Plenty | Abundant | Food/ Commercial | NA | NA | Locals & Deptt. of fisheries |
| Watercress (Nag Biber) | <i>Nasturtium officinale</i> | Aquatic flowering plant | Rapid growing perennial plant | Pond / watery place | Plenty | Plenty | As vegetable | Oldest known leafy vegetable consumed by humans | Its high content of Vitamin C makes it a good remedy to treat various chronic illnesses. | Locals |
| Maiden hair (Ghvtheer) | <i>Adiantum caudatum</i> | Aquatic Grass | It is a perennial fern producing fronds | Found in shaded areas | Plenty | Plenty | As an ornamental and medicinal plant | Fronds are said to be antiasthmatic and antispasmodic | It is used n the treatment of chest infection, cough, diabetes, fever and skin disease | Locals |

Format 21: Wild Aquatic Plant Species of Importance

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|-------------------------|------------------------------|---|--|-------------------------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance | Trends |
| 1 | Watercress (Nag Biber) | <i>Nasturtium officinale</i> | Aquatic flowering plant | Oldest known leafy vegetable consumed by humans. Its high content of Vitamin C makes it a good remedy for chronic illnesses. | Local used as vegetable |
| 2 | Maiden hair (Ghvtheer) | <i>Adiantum caudatum</i> | It is a perennial fern producing fronds | Fronds are said to be antiasthmatic and antispasmodic. It is used to treatment of chest infection, cough, diabetes, fever and skin disease | local |

Format 22: Wild Plants of Medicinal Importance

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
|---------------------------|------------|------------------------------|---------|---------------------|--------------|---------|------------------------------|---------------------------------|------------------|-------------------------------|-----------------------------|
| Plant (Herb, Shrub, Tree) | Local Name | Scientific Name | Variety | Landscape / Habitat | Local Status | | Associated TK | Uses (usage) | Part used | Other details market/ own use | Community/ Knowledge Holder |
| | | | | | Past | Present | | | | | |
| Tree | Deodar | <i>Cedrus deodara</i> | Conifer | Temperate forest | Plenty | Plenty | Timber for religious purpose | Timber | Wood | Own use | Locals |
| Herb | Kour | <i>Picrorhiza kurrooa</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Tonic and rheumatism | Root | Own use | Locals |
| Herb | Bankakri | <i>Podophyllum hexandrum</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Cancer treatment | Roots | Own use | Locals |
| Herb | Kuth | <i>Saussurea lappa</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Ayurvedic medicines | Root | Own use | Locals |
| Herb | Nagchettri | <i>Trillium govaniatum</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Root yield diosgenin hydrolysis | Root | Own use | Locals |
| Herb | Krees | <i>Dioscorea deltodea</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Gastric complaints | Root | Own use | Locals |
| Herb | Belladonna | <i>Atropa accuminata</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Anti asthmatic | Roots and leaves | Own use | Locals |
| Herb | Pamchalan | <i>Rheum australe</i> | NTFP | Alpine forest | Plenty | Rare | Medicinal use | Wound healing | Root | Own use | Locals |

| | | | | | | | | | | | |
|-------|--------------|-------------------------------|--------------|------------------|--------|--------|--|---|---------------|-----------------|--------|
| Shrub | Khumli | <i>Berberis lycium</i> | Thorny shrub | Temperate forest | Plenty | Rare | Medicinal use and for brush wood fencing | Rasaunt as cooling as agent of eyes | Root & leaves | Own use | Locals |
| Herb | Zakhme hayat | <i>Berginia ciliata</i> | NTPF | Alpine forest | Plenty | Rare | Medicinal use | Bone healing, diarrhea and vomiting | Root | Own use | Locals |
| Herb | Banafsha | <i>Viola odorata</i> | Wild | Temperate | Plenty | Rare | Medicinal use | Used as an ingredient in tea to treat cough and cold | Flowers | Market/ Own use | Locals |
| Herb | Bhang | <i>Cannabis sativa</i> | Wild | Temperate | Plenty | Plenty | Used as a recreational or narcotic drug | Used in medicine to treat nausea, depression, migraine and other conditions | Leaves | Market/ Own use | Locals |
| Herb | Handh | <i>Taraxacum officinale</i> | Wild | Temperate | Common | Common | Tea useful to treat liver damage | Useful for digestive troubles and also used as a stimulant for pancreas and kidney function. | Leaves | Market/ Own use | Locals |
| Herb | Patrish | <i>Aconitum heterophyllum</i> | Wild | Temperate | Plenty | Rare | Medicinal use | Used to treat bronchitis,persistent cough,upper respiratory tract infections. common cold,flu & malaria,treat fever,cough ,vomiting & diarrhea. | Roots | Own use | Locals |

Format 23: Wild relatives of Crops

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|------------|---------------------------------|-----------------------|------------------------|--------------|---------|--------------|-----------------------|-----------------|-----------------------------------|----------------------------|
| Local Name | Scientific Name | Associated crop | Landscape / Habitat | Local Status | | Uses (usage) | Part Used | Associated TK | Other details | Community / Know holder |
| | | | | Past | Present | | | | | |
| Vanpraan | <i>Allium atropurpureum</i> | All agricultural crop | Mountainous region | Plenty | Rare | Food | Leaves and flowers | Medicinal value | used as a substitute for onion | Local |

Format 24: Ornamental Plants

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|-----------------------------|-----------------------------|-------------------------|----------------------------------|---|----------------------------------|-----------------------------|
| Local Name | Scientific Name | Variety | Habitat | Commercial / Non-commercial Uses | Associated TK | Any other Detail | Community/ Knowledge Holder |
| Chinar | <i>Plantanus orientalis</i> | Broad leave | Govt./ private premises | Non-commercial | Provide cool shade and home to many birds | Leaves are used as kangri fuel | Locals |
| Ier kull | <i>Salix alba</i> | Weeping willow | Govt./ private premises | Commercial | Provides scenery/beauty to the area | Used in making cricket bats | Locals |
| Safeda | <i>Populus ciliata</i> | Populus | Govt./ private premises | Commercial | Provides scenery/beauty to the area | Used in fruit packing industries | Locals |
| Gulab | <i>Rosa acicularis</i> | Local /wild | Temperate/ terrestrial | Non-commercial | Religious purpose | Rare | Locals |
| Tree | Kikar | <i>Robinia pseudoacacia</i> | Temperate/ terrestrial | Non-commercial | Ornamental | Timber, Fodder, Fuel | Locals |

Format 25: Fumigate / Chewing Plants

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
|---------------------------|---------------|---------------------------|--------------|----------|--------------|----------|---|---------------|--|-----------------------------|----------------------------|
| Plant (Herb, Shrub, Tree) | Local Name | Scientific Name | Variety | Habitat | Local Status | | Uses (usage) | Part used | Associated TK | Other details (mode of use) | Community knowledge holder |
| | | | | | Past | Present | | | | | |
| Herb | Sonf/Bodiyana | <i>Foeniculum vulgare</i> | Broad Leaved | Low land | Plenty | Rare | Used as a remedy for constipation and gastric troubles in infants | Seeds | Inhabitants have got knowledge w.r.t identification /common use of species | Bonafide purpose | Inhabitants of the area |
| | Jungli pudina | <i>Mentha longifolia</i> | | | Plenty | plenty | Cooling agent and used in various ayurvedic medicines | Leaves | | | |
| | Bantambaku | <i>Verbascum thapsus</i> | | | Plenty | moderate | Narcotic | Leaves | | | |
| | Bhang | <i>Cannabis sativa</i> | | | Plenty | plenty | Used in medicines and a narcotic drug | leaves | | | |
| | Thom | <i>Allium sativum</i> | | | Plenty | Plenty | Religious/cultural/ Medicine | Leaves , Bulb | | | |
| Trees | Khor/Dun | <i>Juglanas regia</i> | | | Plenty | common | Teeth cleaning, toothache | Leaves, bark | | | |

Format 26: Timber Plants

| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 |
|------------|----------------------------|------------------|--------------|---------|-----------------------------|--|--------------------------------------|-----------------------------|
| Local Name | Scientific Name | Habitat | Local Status | | Other Uses, if any | Associated TK | Other Details | Community/ Knowledge Holder |
| | | | Past | Present | | | | |
| Deodar | <i>Cedrus deodara</i> | Temperate forest | Plenty | Plenty | Religious purpose | Provide durable timber | Soft wood timber | Local |
| Kail | <i>Pinus walichiana</i> | Forest | Plenty | Plenty | Furniture and fruit packing | Provide durable timber | Soft wood timber | Local |
| Fir | <i>Abies pindrow</i> | Forest | Plenty | Plenty | Fruit packing industries | Providing good timber | Soft wood timber | Local |
| Akhroot | <i>Juglans regia</i> | Private/ Forest | Plenty | Plenty | Fruit and furniture | Provide good timber / fruit | Hard wood | Local |
| Popular | <i>Populus ciliata</i> | Private/ Forest | Plenty | Plenty | Packing industries | Provide good timber | Hard wood | Local |
| Chinar | <i>Platanus orientalis</i> | Temperate | Plenty | Common | Fuel wood, fodder | Provides cool shade and home to many birds | Dried leaves are used as Kangri fuel | Locals |

Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibian, Insects, others)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|-------------|---------------------------------|-------------------------------|---------------|--|---------------------|--------------|----------|---------------|---------------|--------------------------------------|---------------|-----------------------------|
| Animal Type | Local Name | Scientific Name | Habitat | Description | Season when seen | Local Status | | Uses (if any) | Associated TK | Mode of Hunting, collecting (if any) | Other details | Community/ Knowledge Holder |
| | | | | | | Past | Present | | | | | |
| Mammals | Langoor | <i>Semnopithecus ajax</i> | Temperate | Greyish with black face and ears | Throughout the year | Common | Plenty | | | | | |
| | Himaliyan Black bear | <i>Ursus thibetanus</i> | Forest | Black in colour with a white spot on the chest | Throughout the year | Plenty | Rare | | | | | |
| | Jackal | <i>Canis aureus</i> | Temperate | Nocturnal | Throughout the year | Plenty | Common | | | | | |
| | Jungli cat | <i>Felis chaus</i> | Temperate | Grey, light brown in colour | Throughout the year | Common | Common | | | | | |
| | Leopard/ chitra | <i>Panthera pardus</i> | High altitude | Fur with dark rosettes | Throughout the year | Plenty | Moderate | | | | | |
| | Red fox | <i>Vulpus vulpus</i> | High altitude | Nocturnal | Throughout the year | Common | Moderate | | | | | |
| | Loosh/ yellow throated marten | <i>Martes flavigula</i> | High altitude | yellow and black in colour | Throughout the year | Common | Moderate | | | | | |
| | Monkey | <i>Rhesus macaque</i> | Temperate | brownish in colour | Throughout the year | Common | Abundant | | | | | |
| | Eurasian lynx/ Gun brod | <i>Lynx lynx</i> | High altitude | Has pointed ears | Throughout the year | Plenty | Rare | | | | | |
| | Himaliyan mouse hare/ Bal gagud | <i>Ochotona roylei</i> | Forest | Rat like, small in size with a very small tail | Throughout the year | Plenty | Common | | | | | |
| | House crow | <i>Corvus splendens</i> | Temperate | Black in colour with a greyish neck, smaller than the jungle crow | Throughout the year | Plenty | Plenty | | | | | |
| | House sparrow | <i>Passer domesticus</i> | Temperate | Small birds with sexual dimorphism, feed on seeds & grains | Throughout the year | Plenty | Common | | | | | |
| | Black tit | <i>Periparus rufonuchalis</i> | Temperate | Dull black in colour with dark black head and throat and white spots on cheeks | Throughout the year | Plenty | Rare | | | | | |
| | Blue rock pigeon | <i>Columba livia</i> | Temperate | Grey in colour, feed on seeds, grain | Throughout the year | Common | Abundant | | | | | |
| | Common maina | <i>Acridotheres tristis</i> | Temperate | Brown in colour with a yellow beak, feeds on seeds, grain | Throughout the year | Plenty | Common | | | | | |

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|----------|------------------------|------------------------------|------------------|---|---------------------|----------|---------------------------|---|----|------------|--|---|
| | Common cuckoo/ koel | <i>Eudynamis scolopaceus</i> | Temperate | Males black in colour and females dull grey with small black spots over the body. | Throughout the year | Common | Common | Necessary for maintenance of Ecological balance | NA | Prohibited | | Locals having good knowledge with respect to their identification |
| | Chukar | <i>Alectoris chukar</i> | Temperate | Grey in colour, feed on seeds & grains | Throughout the year | Abundant | Rare | | | | | |
| | Cheel | <i>Milvus migrans</i> | Temperate | Carnivore, solitary bird | Throughout the year | Plenty | Common | | | | | |
| | Jungle Crow | <i>Corvus macrorhynchus</i> | Temperate | Black in colour with a strong beak, omnivore in nature | Throughout year | Plenty | Plenty | | | | | |
| Insects | Honey Bee | <i>Apis mellifera</i> | Temperate | Small, black and yellow in colour. Produces honey and also an important pollinator. | Throughout the year | Abundant | Rapidly declining in wild | | | | | |
| | Dragonfly | <i>Orthetrum triangulre</i> | Temperate | Bluish and black in colour | Summer | Common | Common | | | | | |
| | Cabbage butterfly | <i>Pieris brassicae</i> | Temperate | White in colour with black spots on fore wings. | Summer | Abundant | Abundant | | | | | |
| | Cockroach | <i>Periplaneta americana</i> | Temperate | Waste material, food | Summer | Rare | Common | | | | | |
| | Bed bug | <i>Cimex lectularius</i> | Temperate | Light brown in colour, flat oval | Summer | Common | Common | | | | | |
| | Makhi | <i>Musca domestica</i> | Temperate | Small, black in colour with hairy body, nuisance pest | Summer | Common | Plenty | | | | | |
| | Ant/ Chinti | <i>Solenopsis invicta</i> | Temperate | Black in colour, nuisance pest | Throughout the year | Common | Plenty | | | | | |
| | Machar | <i>Culex sp.</i> | Temperate | Small light coloured with black and white abdomen | Summer | Common | Abundant | | | | | |
| Annelids | Leech | <i>Hirudo medicinalis</i> | Temperate region | Soft, segmented body | Summer | Common | Common | | | | | |
| | Earthworm | <i>Pheritema posthuma</i> | Temperate | Pinkish in colour with a slender, segmented body. | Summer | Common | Common | | | | | |

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|-----------|---------------------------------|------------------------------|-----------|---|---------------------|----------|--------|--|--|--|--|
| Rodents | Rat/ Gagud | <i>Rattus rattus</i> | Temperate | Grey colour, large size | Throughout the year | Plenty | Plenty | | | | |
| | Porcupine/ Shale | <i>Hystrix indica</i> | Temperate | Has sharp spikes | Throughout the year | Plenty | Common | | | | |
| | Een/ yananchor/ flying squirrel | <i>Eoglaucmys fimbriatus</i> | Temperate | Nocturnal, Greyish Black in colour with a furry tail | Throughout the year | Plenty | Common | | | | |
| Reptiles | Saanp | <i>Serpentes (Sub-order)</i> | Temperate | Limbless, carnivore with mobile jaw | Summer | Plenty | Common | | | | |
| | Kashmir rock agama | <i>Laudakia tuberculata</i> | Temperate | Found coomonly among the rocks, light coloured with a long and stiff tail | Summer | Plenty | Plenty | | | | |
| Amphibian | Frog | <i>Rana tigrina</i> | Temperate | Dull green in colour with black spots over the body. Sexual dimorphism present. | summer | Abundant | Rare | | | | |

Format 29: Flora

URBAN BIODIVERSITY

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

Format 30: Fauna

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

Format 31: Any other information of local importance

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