

People Biodiversity Register (PBR): General Details

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| Name of the Panchayat Samiti: Changi kangrial |
| Name of taulka / Block:- Sunderbnai |
| District:Rajouri |
| State:Jammu And Kashmir UT |
| Geographical Area of the Panchayat Samiti: 1659.98 ha |
| Population under the Panchayat Samiti: Total 3159 |
| Male:1596 Female:1563 Total:3159 |
| Habitat and Topography:Hilly & Plain |
| Climate (Rainfall, Temperature and weather patterns) Tropical/ Sub Tropical |
| Land Use (Nine fold classification available with village records) |
| Date, Month and Year of PBR Preparation 19-11-2020 |
| Management Regime: Reserve Forest (RF)/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM) |

Annexure 1

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

1) Name: Ashok kumar (Chairperson) SC

Age: 53Yrs

Gender: male

Address: ward no 3 changi kangrial

Area of specialization: Naib Sarpanch

2) Name: Santosh kumari GEN

Age: 32Yrs

Gender: Female

Address: changi kangrial

Area of specialization: Member

3) Name: Shankutla devi Gen

Age: 42 Yrs

Gender: Female

Address: Ward No 2 changi kangrial

Area of specialization: Member

4) Name: Manoj kumar SC

Age: 42Yrs

Gender: Male

Address: changi kangrial

Area of specialization: Member

5) Name: Kamal singh Gen

Age: 47Yrs

Gender: Male

Address: Ward No 1 changi kangrial

Area of specialization: Member

6.) Name : Bal krishan Gen

Age: 55 Yrs

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|---|
| Gender: Male |
| Address: Changi kangrial |
| Area of specialization: Member |
| 7.) Name : Bodh Singh |
| Age:58 Yrs |
| Gender: Male |
| Address: Ward No 5 Kuldobbi, Changi kangrial |
| Area of specialization: Exm new Member nominated by BMC |

Annexure 2

List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring of the village

1) Name : Chaman Lal

Age: 70 yrs

Gender: Male

Address: Changi kangrial

Area of specialization: Herb knowledge

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status:

Medicinal Use: Treatment for snake bite

2) Name: Prem Dass

Age: 72 yrs

Gender: Male

Address: Changi Kangrail

Area of specialization: Herb Knowledge

Location from which the person accesses biological material: Forest

Perception of the practitioner on the resource status:

Medicinal Use: Fever, Snake bite treatment

3) Name:

Age:

Gender:

Address:

Area of specialization:

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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

1) Name of the Chairperson: Sat paul

Age: 52 Yrs

Gender: Male

Address: changi kangrial

Area of specialization: Agriculture

2) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

3) Name of the Chairperson: Hans Raj

Age: 40 yrs

Gender: Male

Address: changi kangrial Ward No 3

Area of specialization: Horticulture knowledge

4) Name of the Chairperson: N/A

Age:

Gender:

Address:

Area of specialization:

Annexure 4

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| 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 : vadik sharma (PS likki) |
| 2) Contact Person: N/A |
| Name and Address: |
| 3) Contact Person: N/A |
| Name and Address: |
| 4) Contact Person: N/A |
| Name and Address: |
| You may add names of more institutions/NGO/Individuals etc, if necessary |

Annexure 5

| Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing | | | | | |
|---|---|--|---|----------------------------------|--|
| S.no | Name and address of the Person/Institute/company others | Local and Scientific Name of the biological material Accessed and quantity | Date and resolution of the BMC and endorsement by the Panchayat | Detail of collection fee imposed | Anticipated mode of sharing benefits or quantum of benefits shared |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |
| | N/A | N/A | N/A | N/A | N/A |

End of Part I

Format 1

| S.No | Crop | Scientific Name | Local Name | Variety | Land Scape / Habitat | Approx area sown | Local Status | | Special feature | Cropping season | Uses | Associated TK |
|------|----------------|-------------------------------|------------|-------------------------------------|-----------------------------|------------------|--------------|---------|--|-------------------------|---|---|
| | | | | | | | Past | Present | | | | |
| 1 | Maize | <i>Zia mays</i> | Makka | Rasi4794, Kh517, Kh-612, DD | Hilly & lower hills | | Plenty | Plenty | HYV, Resistant to draught and lodging | Kharif | Food /Fodder | Staple food |
| 2 | Wheat | <i>Triticum aestivum</i> | Gandam | Raj 3765, HD 2967, HD 3086, | Hilly & lower hills | | Plenty | Plenty | HYV, Draught resistant, Shaort duration | Rabi | Food / Fodder | Staple food |
| 4 | Mustard | <i>Brassica juncea</i> | Sarson | Pusa bold, Gobi Sarson | Cool & dry | | Normal | Normal | Matures in 145-150 days with 40-42 % oil content | Rabi | Source of energy | vegetable Oil extracted from seeds used in cooking |
| 5 | CHICK PEA | <i>Cicer arietinum</i> | Chana | C-235, Gaurav, GNG-469 | Sub tropical | | Rare | Normal | Medium Yielding | Kharif (May to October) | Source of Protein/Energy | Prefered Food for parties as well as Domestic Consumption |
| 6 | Black Gram | <i>Vigna mungo</i> | Mash | PU-19,UTTRA | Sub tropical | | Plenty | Plenty | Rich source of Protein | | | |
| 7 | Okra | <i>Avenmoschus esculentus</i> | Bhindi | Arka Anamika, Versha Uphar, PS, PK, | Sub tropical & intermediate | | Normal | Normal | Green Veg | Kharif | Green Veg | |
| 8 | Brinjal | <i>Solanum melongena</i> | Bangun | PPL,PPC, PH4, BR112 | Sub tropical & intermediate | | Normal | Normal | Green Veg | Kharif | Green Veg | Green Veg |
| 9 | Brottlet Gourd | <i>Legenaria siceraria</i> | Kaddu | PSPL, Punjab Komal | Sub tropical & intermediate | | Normal | Normal | Green Veg | Rabi | Swollen stem and leaves are consumed as vegetable | Source of minerals & energy |

| | | | | | | | | | | | | |
|----|-------------|--|-------------|--|--|-----|--------|---------------|--|--|-------------------------------|--|
| 10 | Cauliflower | <i>Brassica oleraceae var.botrytis</i> | Ful gobi | Pusa Snow Ball, Pusa Katki, Girja | Sub tropical & intermediate | | Normal | Normal | - | Rabi | Curd used as vegetable | Also good source of protein, carbohydrate, phosphorus & iron |
| 11 | Cabbage | <i>Brassica oleraceae var.capitata</i> | Band gobi | Golden Acre, Pride of India, Green Flesh | Sub tropical & intermediate | | Normal | Normal | Round head green colour | Rabi | Head used as vegetable, salad | Also good source of protein, carbohydrate, phosphorus & iron |
| 12 | Tomato | <i>Solanum lycopersicum</i> | Tamater | Pusa Rubi, Pusa Early Dwarf, Manisha Plus/ local | Sub tropical & intermediate | | Normal | Normal | - | Kharif | Rich in Ascorbic acid | Tomatoes are rich in iron & vitamins A and C, calcium, potassium. |
| 13 | Onion | <i>Allium cepa</i> | Pyaj | Pusa Red, Nasik Red, N-53, Liberty | Cool weather at vegetative stage followed by warm weather at Bulb Stage | | Normal | Normal | - | Rabi | Vegetable & Salad use | Good source of dietary fiber, Vitamin B6, C, Potassium and folic acid. |
| 14 | Potato | <i>Solanum tuberosum</i> | Aaloo | Kufri Sindhuri, Kufri Badsha, Kufri Jyoti | Potato is an herbaceous annual, requires cool weather, mostly rainfed conditions | | Normal | Normal | Tubers are round to ovoid, creamish white to light red in colour with shallow eyes | Under ground tubers are used as vegetable, chips etc | - | High carbohydrate, provide high energy value |
| 15 | Peas | <i>Pisum sativum</i> | Matar | Bonneville, Arkel, local var. | Grows under cool conditions, Sub tropical/ Temperate | | Normal | Normal | Medium dwarf plant with green well filled pods | Green pods are used as vegetable | - | high in fiber, protein, vitamins, phosphorus, magnesium, copper, |
| 16 | Chillies | <i>Capsicum annum</i> | Marchwangun | Shalimar long Kashmari long | Planes | -- | Plenty | High yielding | kharif | Spices | Vitamin K | Own Seeds, Private/public dealers |
| 17 | Garlic | <i>Allium sativum</i> | Rohan | Local/Chinese | Plains | 0.4 | Plenty | High yielding | Rabi | Vegetable | Food | Own Seeds, Private/public dealers |

| | | | | | | | | | | | | |
|----|----------|----------------------------|----------|--------------|--------------|-----|--------|---------------|--------|-----------|-----------|-----------------------------------|
| 18 | Kadam | <i>Brassica oleracea</i> | Bandgobi | Knual Hak, | Planes | -- | Plenty | High yielding | kharif | Vegetable | Vitamin A | Own Seeds, Private/public dealers |
| | | | | Wari Hak | | | | | | | | |
| 19 | Caroot | <i>Daucus carota</i> | Gazaer | Locals | | 0.1 | Plenty | High yielding | Rabi | Vegetable | Food | Own Seeds, Private/public dealers |
| 20 | Radish | <i>Raphanus sativus</i> | Mujh | Local | Planes | 0.1 | Plenty | High yielding | Kharif | Vegetable | Protein | Own Seeds, Private/public dealers |
| 21 | Cucumber | <i>Cucumis sativus</i> | Laid | Local hybird | plains | 0.1 | Plenty | High yielding | Kharif | Vegetable | Minerals | Own Seeds, Private/public dealers |
| 22 | Spianach | <i>Spinacia oleracea</i> | palak | local | planes/highs | 0.1 | Plenty | High yielding | kharif | Vegetable | Iron | Own Seeds, Private/public dealers |
| 23 | Sesame | <i>Sesamum indicum</i> | Tilli | | Sub tropical | | Normal | Normal | Kharif | Vegetable | | Own Seeds, Private/public dealers |
| 24 | Kerela | <i>Momordica charantia</i> | | | Sub tropical | | Normal | Normal | Kharif | Vegetable | | |

Format 2

| Plant | Scientific Name | Local Name | Variety | Landscape/ Habitat | Local Status | | Source of Seed /Plants | Season of Fruiting | Associated TK | Uses | Other details market/Own use | Communicate/ Knowledge holder |
|---------------|---|---|--|------------------------|--------------|---------|---------------------------------|-----------------------|------------------|----------------------------------|---------------------------------|----------------------------------|
| | | | | | Past | Present | | | | | | |
| Mango | <i>Mangifera indica</i> | Aam | Desi, Dusheri, Malda | Subtropical | Plenty | Plenty | Nurseries | June-August | | Fruit, Pickling, Preserves | Marketing, own use | |
| Citrus fruits | <i>Citrus spp.</i> | Khatti, Galgal, Nimbu, Santra, Kinnow, Mosambi etc. | Local selection, Kagzi Lime, Italian Lime, Hill Lemon etc. | Subtropical, mid hills | Plenty | Plenty | Nurseries | through out year | | Fruit, Pickling, Squashes etc. | Marketing, own use | |
| Guava | <i>Psidium guajava</i> | Amrood | Local, L-49, Allahabadi Safeda etc. | Subtropical | Plenty | Plenty | Nurseries | July-August | | Fruit | Marketing, own use | |
| Grapes | <i>Vitis vinifera michx.</i> | Angoor | Local Dakh, Perlette, | Subtropical, Mid hills | Rare | Rare | Nurseries | July-August | | Fruit | | |
| Aonla | <i>Emblica officinalis syn. phyllanthus emblica</i> | Ambla | Local selection, NA-7 | Subtropical | Plenty | Plenty | Nurseries, local collection | Nov-Dec | | Pickling, Preserves, Juices etc. | Marketing, own use | |
| Ber | <i>Zizyphus mauritiana lamk.</i> | Ber | gola, Banarasi | Subtropical | Plenty | Rare | local raised | July-August | | Fruit | Own use | |
| Pomegranate | <i>Punica granatum</i> | Anar, Druni | Ganesh, Kandhari, Local | Subtropical, mid hills | Rare | Rare | Nurseries, locally raised, wild | May-August | | Fruit, anardana | Own use | |
| Pear | <i>Pyrus spp.</i> | Nakh | Patharnakh, China pear | Mid hill | Plenty | Plenty | Nurseries | Aug-Sept | | Fruit | Own use | |
| Peach | <i>Prunus persica(L.) batsch.</i> | Aaroo | July Elberta, Quetta | Mid hill | Rare | Rare | Nurseries | June-July | | Fruit | Marketing, own use | |
| Plum | <i>Prunus salicina</i> | Aaloo Bukhara | santa Rosa, Allubukhara | Mid Hills | Rare | Rare | Nurseries, locally raised | July-August | | Fruit | Marketing, own use | |
| Banana | <i>Musa acuminata</i> | Kela | Desi | Agri. Land | Available | Rare | Plants | July-Aug | - | Own use | - | |
| Jamun | <i>Syzygium cumini</i> | Jamun | Wild | sub tropical | Rare | Rare | Seeding | March to july | | Fruit Seeds | Ownuse/Market | |
| Mitha | <i>Citrus limettoxides</i> | Mitha | Wild | sub tropical | Rare | Rare | seeding | March to sep | | Juice | Ownuse/Market | |
| Kimb | <i>Citrus medica</i> | Kimb | Wild | sub tropical | Rare | Rare | seeding | March to sep | | Juice | Ownuse/Market | |
| Beal | <i>Aegle maxmalos</i> | Beal | Wild | sub tropical | Plenty | Plenty | seeding | | | Fruit/ Leaf | Ownuse/Market | |
| Lokhat | <i>Eriobotrya japonica</i> | Lokhat | | sub tropical | Plenty | Plenty | seeding | Feb to June | | Fruit | Ownuse/Market | |
| Orange | <i>Citrus X sinensis</i> | Santra | Hybrid | Semi Hilly | Medium | | Horticulture Deptt. | Summer /Winter | | Fruit | Self/local Market | |
| Galgal | Citrus limon | Galgal | wild | sub tropical | Rare | Rare | Nurseries | March to sep | | | | |

Format 3 Fodder crop/species

| S.No | Plant | Scientific Name | Local Name | Land Scape/ Habitat | Local Status | | Source of plants/ seeds | Associated TK | Part Used | Other details | Community/ Knowledge holder |
|------|-------------|-----------------------------------|---------------|--------------------------------|--------------|---------|-------------------------|-----------------------------------|-------------|--|--------------------------------|
| | | | | | Past | Present | | | | | |
| 1 | Oats | <i>Avena sativa</i> | Javi | Sub Tropical / Intermediate | Rare | Rare | Agri Dept /Local | Nutritious & palatable fodder, | Whole plant | Suitable for fodder | Farmers |
| 2 | Sorghum | <i>Sorghum spp</i> | Charry/ Jawar | Sub Tropical / Intermediate | Rare | Plenty | Agri Dept /Local | Source of energy | Whole plant | Suitable for fodder | Farmers |
| 3 | Barseem | <i>Trifolium alexandrinum</i> | Shatala | Sub Tropical / Intermediate | Rare | Rare | Agri Dept /Local | Nutritious & palatable fodder | Whole plant | Suitable for fodder | Farmers |
| 4 | Dhaman | <i>Greira optira</i> | | Sub-Tropical | Plenty | Plenty | Wild | Viilage Head | Dry fruit | Contains good ammount of vitamin A&C | Farmers |
| 5 | Toot | <i>Morus alba</i> | | Sub-Tropical | Plenty | Plenty | Wild/ Grafting | Medicinal value | Clove | Spice use | Farmers |
| 6 | Maize | <i>Zia mays</i> | | Sub-Tropical | Plenty | Plenty | Local/ Agri dept | | | | |
| 7 | Wheat | <i>Triticum aestivum</i> | | Sub-Tropical | Plenty | Plenty | Agri Deptt | | | | |
| 8 | Draink | <i>Melia azedarach</i> | | Sub-Tropical | Plenty | Plenty | Wild | | | | |
| 9 | Lambgass | <i>Heteropogon contortus</i> | | Sub-Tropical | Plenty | Plenty | Local | | | | |
| 10 | Gnail Grass | <i>Avena barbata</i> | | Sub-Tropical | Plenty | Plenty | Local/ Agri dept | | | | |
| 11 | Bajra | <i>Pearl millet</i> | | Sub-Tropical | Plenty | Plenty | Local/ Agri dept | | | | |

Format 4

| S.No | Plant | Scientific Name | Local Name | Affected Crop | Impact | Land Scape / Habitat | Local Status | | Uses if Any | Management Options | Associated TK | Other details like exotic |
|------|----------------|---------------------------------|----------------|--------------------------|---|---------------------------|--------------|---------|-------------------------|--------------------------------|---|------------------------------|
| | | | | | | | Past | Present | | | | |
| 1 | Guli Danda | <i>Philaris minor</i> | Sitti | Wheat | Compete with crop | Sub Tropical/intermediate | Plenty | Plenty | Nil | Chemical / Manual Control | Source for High quality protein | Local |
| 2 | Parathenium | <i>Parthenium hysterophorus</i> | Congress grass | All crops | Alellopathy effect, reduce yield | Sub Tropical/intermediate | Rare | Plenty | Nil | Chemical / Manual Control | Abnoxious weed difficult to manage | Exotic |
| 3 | Bathua | <i>Chinopodium album</i> | Bathua | Wheat, Vegetables | Compete with main crops for space and nutrients | Sub Tropical/intermediate | Plenty | Plenty | Leavy vegetable | Chemical Control | Rich Source of protein, Vit. A, Calcium , Phosporous & potash | Used as green vegetable |
| 4 | Wild Oats | <i>Avena spp</i> | Jungli Javi | Wheat | Compete with main crops for space and nutrients | Sub Tropical/intermediate | Plenty | Plenty | Green Fodder for animal | Chemical / Manual Control | Source for High quality protein | Local |
| 5 | Bhang | <i>Cannabis sativa</i> | Bhang | Maize, Wheat, Vegetables | Alellopathy effect, Compete with crops | Sub Tropical/intermediate | Plenty | Plenty | psychoactive effects | Chemical / Manual Control | intoxicating causes dehydration, nausea and headache | Local |
| 6 | Barnyard grass | <i>Achinocloa crusgalli</i> | Swanki | Rice/Maize | Compete with crops | Sub Tropical/intermediate | Plenty | Plenty | Fodder & Animals | Chemical / Manual Control | Nil | Local |
| 7 | Nut Grass | <i>Cyprus rotundus</i> | Dilla/Motha | Paddy,maize, vegetable | Perennial | Agri. & Non Agri. Land | Plenty | Plenty | Fodder & Animals | Physical, Mechanical, Chemical | Nil | Tradionally used as medicine |
| 8 | Kanyari | <i>Crisium arrense</i> | Kanyari | Wheat | Partial reduction of crop | Sub-tropical | Plenty | Plenty | nil | Chemical/cultural | Nil | Exotic |
| 9 | Cholai | <i>Amrantus sp</i> | Chaleri | pulses.wheat | Partially impact | Sub-tropical | Plenty | Plenty | Leavy vegetable | Culturally | Rich in iron | Local |
| 10 | Dheela | <i>Cyprus rotundus</i> | Dheela | Maize | partial | Sub-tropical | Plenty | Plenty | nil | Chemical / Manual | | Local |
| 11 | Gnail | <i>Arena barbata</i> | | Wheat | partial | Sub-tropical | Plenty | Plenty | Fodder use | Chemical / Manual | | Local |
| 12 | Sredi | <i>Medicago polymonpha</i> | | Wheat | partial | Sub-tropical | Plenty | Plenty | Fodder use | Chemical / Manual | | Local |
| 13 | Dal | <i>Vicia sativa</i> | | Wheat | partial | Sub-tropical | Rare | Rare | Pulse use | Chemical / Manual | | Local |
| 14 | Khibi | <i>Festuca perennis</i> | | Wheat | partial | Sub-tropical | Plenty | Plenty | Fodder use | Chemical / Manual | | Exotic |

Format 5 Pests of Crops

| S.No | Host | Insect/ Animal | Scientific Name | Local Name | Habitat | Time/ Season of Attack | Management mechanism | Associated TK | Other details | Community Knowledge Holder |
|------|---------------------------------|------------------|-----------------------------|---------------|----------------------------|------------------------|--------------------------------|---------------|---|----------------------------|
| 1 | Maize | Blister Beetle | <i>Mylabris phalerata</i> | Bhundi | Sub Tropical/ intermediate | Kharif | Chemical control | - | Feed on crop leaves | Farmers |
| 2 | Maize | Cut Worm | <i>Agrotis spp</i> | Makki da kida | Sub Tropical/ intermediate | Kharif | Chemical control | - | Feed on crop leaves | Farmers |
| 3 | Maize | Maize stem Borer | <i>Chilo partellus</i> | Sundi | Chewing & biting | | Mechanical & Chemical measures | - | Causes dead hearts in young plants | Farmers |
| 4 | Maize/Wheat | Termite | <i>Odontotermes obesus</i> | Sink | Sub Tropical/ intermediate | Kharif/ Rabi | Chemical control | - | Feed on crop leaves | Farmers |
| 5 | Brijal/ Tomato | Fruit Borer | <i>Helicoverpa armigera</i> | Sundi | Sub Tropical/ intermediate | Kharif | Chemical control | - | Feed on crop leaves | Farmers |
| 6 | Wheat, Maize, Rice | Rat | <i>Tatera indica</i> | Chuha | Sub Tropical/ intermediate | Kharif/ Rabi | Chemical control | - | Feed on crop leaves | Farmers |
| 7 | Maize, Potato | Porcupine | <i>Erethizon dorsatum</i> | Seh | Sub Tropical/ intermediate | Kharif/ Rabi | NA | - | Feed potato tubers, vegetables and cobs | Farmers |
| 8 | Maize, Wheat, Fruits, vegetable | Monkey | <i>Macaca mulatta</i> | Bander | Sub Tropical/ intermediate | Kharif/ Rabi | NA | - | Feed on Fruits and green vegetables, cobs | Farmers |
| 9 | Mustard | Aphid | <i>Lipaphis erysimi</i> | Aphid/ Tella | Sub Tropical/ Intermediate | Dec-March | Chemical control | - | Nil | Farmers |

Format 6

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

Note: [1] (D) – day; (M) – month;

[2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

Format 7 Peoplescape

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|-------------------------|-----------------------------|--|-----------------------|--|---|-------------------------------|--------------|------------------|-----------------------|------------|
| Community & Population | Families & Major occupation | Sub- occupation | Depending Landscape | Major resources accessed and seasons of access | Landscape management practices | Resource management practices | Cast / tribe | Social condition | Nature of inhabitants | No. of HHs |
| Hindu (3159 Population) | 484 | Farming, labourAnimal Husbandary service | Agriculture Landscape | Agricultural resources of different nature | Plantation Construction of Roads Check Mam etc. | Seasonal Practices | SC, ST, OT | Normal | Permanent | 484 |
| | | | | | | | | | | |
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Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.
 Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc
 How the community manages the landscapes they use for satisfying different needs, their strategies and perception
 How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

Format 8 Landscape

| 1 | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------|---------|-------------|------------------|----------------------------|------------|--|---------------|-------------|-----------------------|-----------------------------|---------------|---------------|--------------------|
| Major Landscapes | | | Sub - Landscapes | Feature s and approx. area | Ownershi p | General flora | General fauna | User groups | Manageme nt practices | General uses | Associated TK | Other details | Community accessed |
| Agricultural land | Pond | Fallow land | | | | | | | | | | | |
| 2551Ha | 94.77Ha | 2369.254 | Hilly/plains | | Privato | Broad leafed of sub tropical nature also conifer mostly chir | | Public | | Plantation and Agricultures | | | |
| | | | | | | | | | | | | | |
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Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

Format 9 Waterscape

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------------------|---------------|--------------------------|--------------|---------------|---------------------|---------------------------|-------------|----------------------|--------------|---------------|---------------|--------------------|
| Waterscape element type | Sub- type | Features and approx area | Ownership | General flora | General fauna | Major uses | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Boweli 36 | | | Private | | Frog/ Snake | washing clothes/ drinking | | | | | | |
| Pond 5 | | | Private | | Frog | irrigation | | | | | | |
| Well 50 | | | Private/Govt | | Frog | drinking | | | | | | |
| stream 1 | | | Govt. | | Frog, fishes, snail | | | | | | | |
| River 1 | Manawak river | | Govt. | | Frog, fishes. Snake | | | | | | | |
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Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well etc.,

Format 11 Fruit Trees

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------|--------------------|----------------------------|---------|--------------------|--------------|-----------|-----------------------|--------------------|--------------|---------------|------------------------------|-------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Landscape/ Habitat | Local Status | | Source of plant/seeds | Season of Fruiting | Uses (usage) | Associated TK | Other details market/own use | Community/ Know. holder |
| | | | | | Past | Present | | | | | | |
| Mango | Aam | <i>Mangifera indica</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |
| Amla | Amla | <i>Emblica officinalis</i> | | Subtropical | Available | Available | Horticulture Deptt. | Winter | Own Use | | | |
| Bael | Bael | <i>Aegle maxmoilos</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |
| Grapes | Angoor | <i>Vitic vinifera</i> | | Subtropical | Available | Available | Horticulture Deptt. | All Season | Own Use | | | |
| Orange | Orange | <i>Citrus X sinensis</i> | | Subtropical | Available | Available | Horticulture Deptt. | Winter | Own Use | | | |
| Lemon | Lemon | <i>Citrus X sinensis</i> | | Subtropical | Available | Available | Horticulture Deptt. | All Season | Own Use | | | |
| Guava | Guava | <i>Psidium guajava</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |
| Peach | Addu | <i>Prunus persica</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |
| Pear | Bagugosh communisa | <i>Pyrus communis</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |
| Mosammi | Mosammi | <i>Citress sinensis</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |
| Pomegranate | Anar | <i>Punica granatum</i> | | Subtropical | Available | Available | Horticulture Deptt. | All Season | Own Use | | | |
| Loquat | Lokhat | <i>Eriobotrya japonics</i> | | Subtropical | Available | Available | Horticulture Deptt. | Summer | Own Use | | | |

Format 12

| 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 | | | | | |
| Herb | Datura | <i>Datura stramonium</i> | | | | | present | | Fruit | Aesthetic value | Own use | Local people |
| Shrub | Aak | <i>Calotropis gigantea</i> | | | | | present | | Leaves | Aesthetic value | ----do---- | Local people |
| Shrub | Nagfani (Cactus) | <i>Prickly pear</i> | | | | | present | | Leaves | To treat insomnia ,weight loss | ----do---- | Local people |
| Shrub | Amaltas | <i>Cassia Fistula</i> | | | | | present | | | diabetics | ----do---- | Local peoples |
| Shrub | Billan | <i>Aegle marmelos</i> | | | | | present | | Leaves | Aesthetic | ----do---- | Local peoples |
| Tree | Jammun | <i>Syzygium cuminii</i> | | | | | present | | Fruit | Increases Heamoglobin count | ----do---- | Local people |
| Herb | Tulsi | <i>Ocimum sanctum</i> | | | | | present | | Leaves | Improves digestion & Aesthetic value | ----do---- | |
| Herb | Pudina | <i>Mentha</i> | | | | | present | | Leaves | Treat in digestion | ----do---- | Local peoples |
| Shrub | Black berry | <i>Rubus allegheniensis</i> | | | | | present | | fruits | Diarrhea treatment | ----do---- | Local peoples |
| Shrub | Rumbal | | | | | | present | | Root | Skin diseases | ----do---- | Local peoples |

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|-------------|-------------|-------------------------------|--|--|--|--|---------|--|---------------|--|------------|---------------|
| Tree | Trimbal | <i>Ficus auriculata</i> | | | | | present | | Fruit | Indigestion treatment | ----do---- | Local peoples |
| Tree | Fakor | <i>Ficus Palmata (Edible)</i> | | | | | present | | Fruit | Edible fruit | ----do---- | Local peoples |
| Tree | Bhor | <i>Ficus bengalensis</i> | | | | | present | | Leaves, fruit | Treat diseases of blood and head, ulcers | ----do---- | Local peoples |
| Tree | Aamla | <i>Emblica officinalis</i> | | | | | present | | Fruit | Vit.c ,improves metabolism | ----do---- | Local peoples |
| Tree | Behra | <i>Terminalia bellirica</i> | | | | | present | | Fruit | Respiratory diseases | ----do---- | Local peoples |
| Shrub | Harad | <i>Terminalia chebula</i> | | | | | present | | fruit | Constipation ,diabetis | ----do---- | Local peoples |
| Shrub | Kakoa | <i>Flacourtia indica</i> | | | | | present | | fruit | Use in snake bite | ----do---- | Local peoples |
| Tree | Kamila | <i>Mallotus phillippensis</i> | | | | | present | | fruit | Skin diseases | ----do---- | Local peoples |
| Shrub | Kayora | <i>Agave Americana</i> | | | | | present | | fruit | Intestinal gas and constipation | ----do---- | Local peoples |
| Shrub | Kainth | <i>Pyrus pashia</i> | | | | | present | | fruit | Fever, headache | ----do---- | Local peoples |
| Tree | Thor | <i>Euphorbia royleana</i> | | | | | present | | stem | Paralysis ,earpain etc | ----do---- | Local peoples |
| Shrub | Brenker | <i>Adotoda vesica</i> | | | | | present | | stem | Cough treatment | ----do---- | Local peoples |
| Tree | Siris | <i>Albezia lebbeck</i> | | | | | present | | Gum | Cough treatment | ----do---- | Local peoples |
| Tree/ Shrub | Curry latta | <i>Munaya koeginii</i> | | | | | present | | leaf | Antidiabetic | ----do---- | Local peoples |

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|---------|-----------|-----------------------------|--|--|--|--|---------|--|-----------|----------------|-------------|---------------|
| Shrub | Garna | <i>Carrisa opica</i> | | | | | present | | leaf | Antidiabetic | ----do----- | Local peoples |
| Herb | Gajarmula | | | | | | present | | Root | | ----do----- | Local peoples |
| Tree | kadkain | | | | | | present | | Seed/leaf | | ----do----- | Local peoples |
| Climber | Giloe | <i>Tinospora cordifolia</i> | | | | | present | | stem | Antibacterial | ----do----- | Local peoples |
| Tree | Safeda | <i>Eucalyptus citrodora</i> | | | | | present | | leaf | Anti influenza | ----do----- | Local peoples |

Format 14

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|------------|------------|------------------------------|---------|--------------|---------|-------------------|--------------------|----------------|---------------|-------------------------|
| Plant Type | Local Name | Scientific Name | Habitat | Local status | | Wild/ home-garden | Other uses (multi) | Associated TK | Other details | Community/ Know. Holder |
| | | | | Past | Present | | | | | |
| Tree | Chir | <i>Pinus roxburghii</i> | | | Present | Wild | Timber | | | Bakerwal,locals |
| Tree | Khair | <i>Acacia catechu</i> | | | Present | Wild | Timber | Medicinal | | Locals |
| Tree | Kambel | <i>Lenea coromendilca</i> | | | Present | Wild | Timber | | | Bakerwal |
| Tree | Tun | <i>Tuna ciliate</i> | | | Present | Wild | Timber | | | Locals |
| Tree | Kamila | <i>Mallotus philippensis</i> | | | Present | Wild | Timber | Medicinal | | Local natives of area |
| Tree | Phulai | <i>Acacia modesta</i> | | | Present | Wild | Timber | As tooth brush | | Local natives of area |
| Tree | Draink | <i>Meliosa azadarach</i> | | | Present | Wild | Timber | medicinal | | Local natives of area |
| Tree | Toot | <i>Morus alba</i> | | | Present | Wild | Timber | fruit | | Local natives of area |
| Tree | Tali | <i>Dalbergia sisoo</i> | | | Present | Wild | Timber | | | Local natives of area |
| Tree | Safeda | <i>Eucalyptus</i> | | | Present | Wild | Timber | | | Local natives of area |
| Tree | Khirak | <i>Celtis australis</i> | | | Present | Wild | Timber | | | Local natives of area |
| Tree | Simbal | <i>Bombax ceiba</i> | | | Present | Wild | Timber | | | Local natives of area |

Format 15

| 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 | | | | | |
| Cow | Go | <i>Bos taurus</i> | Both | Milk | Domestic | Medium | Medium | Milk | Veterinary | Yes | Nil | Veterinary |
| Buffalo | Manj | <i>Bubalus bubalis</i> | Both | Milk | Domestic | Medium | Medium | Milk | Veterinary | Yes | Nil | Veterinary |
| Goat | Bakri | <i>Capra aegagrus hircus</i> | Both | Milk/ Meat | Domestic | Medium | Medium | Milk/ Meat | Veterinary | Yes | Nil | Veterinary |
| Sheep | Pid | <i>Ovis aries</i> | Both | Wool/Meat | Domestic | Medium | Medium | Wool/ Meat | Veterinary | Yes | Nil | Veterinary |
| Horse | Goda | <i>Equus caballus</i> | Both | Load lifting | Domestic | | | | | Yes | | |
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Uses include milk, meat, skin, fur and etc

Format 16

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|-----------|------------|-----------------|---------|----------|----------------------------------|--------------|---------|------|---------------|-----------------------|---------------|----------------------------|
| Fish Type | Local Name | Scientific Name | Variety | Features | Waterscape (pond/bheri/talao) | Local status | | Uses | Associated TK | Commercial rearing | Other details | Community Know. Holders |
| | | | | | | Past | Present | | | | | |
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Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc

Format 18

| 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 | | | | | |
| Herb | Snatha | <i>Dodonea viscosa</i> | | | | present | Own use | Leaves | Cordage & Soil binder | | Locals |
| Herb | Brenker | <i>Adhatoda vassica</i> | | | | present | ----do---- | Leaves | Use in ripening of fruit | | Locals |
| Herb | Bhang | <i>Canibis sativa</i> | | | | present | ----do---- | Leaves | Sedative | | Locals |
| Herb | Dhatura | <i>Datura metal</i> | | | | present | ----do---- | Flower | Aesthetic value | | Locals |
| Shrub | Thor | <i>Euphorbia royleana</i> | | | | present | ----do---- | Stem | Food(mixed with curd) | | Locals |
| Shrub | Akk | <i>Ipomea carnea</i> | | | | present | ----do---- | Root | Live hedge | | Locals |
| Herb | Jari | <i>Parthenium hysterophrus</i> | | | | present | | | Weed | | Locals |
| Herb | Anar | <i>Punica grantatum</i> | | | | present | Own use | fruit | Fruit | | Locals |
| Herb | Jojra | <i>Pupalia lappacea</i> | | | | present | ----do---- | Leaves | Weed | | Locals |
| Herb | Bana | <i>Vitex nigunda</i> | | | | present | ----do---- | leaves | Aesthetic value & biopesticide | | Locals |
| Shrub | Timbru | <i>Zanthoxylum alatum</i> | | | | present | ----do---- | Fruit | Appetite booster | | Locals |
| Shrub | Amarbel | <i>Cuscuta reflexa</i> | | | | present | ----do---- | Stem | Medicinal | | Locals |
| Shrub | Doab grass | <i>Cyanadon dactylon</i> | | | | present | ----do---- | Leaves | Fodder | | Locals |

| | | | | | | | | | | | |
|---------|--------------|----------------------------------|--|--|--|---------|------------|-------------|--------------------------------|--|--------|
| Herb | Puthkanda | <i>Achyranthes</i> | | | | present | ----do---- | Stem | Aesthetic | | Locals |
| Shrub | Kai | <i>Sacharum spontanum</i> | | | | present | ----do---- | Leaves | Aesthetic | | Locals |
| Shrub | Giloe | <i>Tinospora cardifolia</i> | | | | present | ----do---- | Stem | Stomach treatment | | Locals |
| Herb | Tulsi | <i>Ocimum sanctum</i> | | | | present | ----do---- | Leaves | Aesthetic & Medicinal value | | Locals |
| Climber | Kandoli | <i>Luffa cylintrica</i> | | | | present | ----do---- | Fruit | Food | | Locals |
| Shrub | Kasrod | <i>Diplazium esculentum</i> | | | | present | ----do---- | Fruit | Food | | Locals |
| Shrub | Kachalu | <i>Colocasia asculanta</i> | | | | present | ----do---- | Rhizome | Food | | Locals |
| Shrub | Chaleri saag | <i>Amaranthus veridus</i> | | | | present | ----do---- | Leaves | grazing | | Locals |
| Tree | Tali | <i>Dalbergia sissoo</i> | | | | present | ----do---- | Leaves | | | Locals |
| Tree | Safeda | <i>Eisealyptus citrodora</i> | | | | present | ----do---- | Leaves | | | Locals |
| Tree | Siris | <i>Albezia lebbbeck</i> | | | | present | ----do---- | Gum | | | Locals |
| Tree | Phulat | <i>Acacia modesta</i> | | | | present | ----do---- | Stem | | | Locals |
| Tree | Peepal | <i>Ficus religiosa</i> | | | | present | ----do---- | Leaves/seed | | | Locals |

Format 19

| 1 | 2 | 3 | 4 | 5 | 6 |
|--------|------------|------------------------------|---------|--|---------|
| S. No. | Local Name | Scientific Name | Variety | Importance (as economic, social, cultural etc.) | Status |
| 1 | Tarad | <i>Dioscorea belophylla</i> | | Food | present |
| 2 | Simbal | <i>Bombax ceiba</i> | | economic | present |
| 3 | Pulah | <i>Butea monosperma</i> | | Food wrapping items, cultural, aesthetic | present |
| 4 | Krangal | <i>Cassia fistula</i> | | Medicinal importance | present |
| 5 | Safeda | <i>Eucalyptus citrodora</i> | | Reduce cough,cold etc | present |
| 6 | Trimbal | <i>Ficus auriculata</i> | | Fodder,fruit | present |
| 7 | Bohar | <i>Ficus bengalensis</i> | | Medicinal, cultival Aesthetic | present |
| 8 | Fagora | <i>Ficus palmata</i> | | Edible fruit,medicinal | present |
| 9 | Rumble | <i>Ficus racemosa</i> | | Healing power, used in tongue sore | present |
| 10 | Kakoa | <i>Flacourtia indica</i> | | Used in snakebite,arthritis | present |
| 11 | Dhaman | <i>Grewia optiva</i> | | Leaf fodder | present |
| 12 | Kamila | <i>Mallotus philippensis</i> | | As dye,antioxidant | present |
| 13 | Aam | <i>Mangifera indica</i> | | Fruit | present |
| 14 | Draink | <i>Melia azedarach</i> | | Medicinal &,timber value | present |
| 15 | Toot | <i>Morus alba</i> | | Timber | present |
| 16 | Chir | <i>Pinus roxburghii</i> | | Timber,resin,medicinal | present |
| 17 | Jamun | <i>Syzigium cumini</i> | | Fruit,medicinal | present |
| 18 | Ber | <i>Zyzyphus jujuba</i> | | Food, medicinal | present |
| 19 | Reetha | <i>Sapindus mukorossi</i> | | Medicinal value | present |

Format 20

| 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 | | | | |
| Mahseer | <i>Tor tor</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Gold mahseer | <i>Tor putitora</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Kaid | <i>Labeo dero</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Punta | <i>Puntius conchanius</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Punta | <i>Puntius sophor</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Punta | <i>Puntius ticto</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Top | <i>Barilius vagra</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Top | <i>Barilius bendelisis</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Lass | <i>Schizothorax</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Moda | <i>Garra gotyla</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Nai | <i>Glyptothorax</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Rohu | <i>Labeo rohita</i> | Indigenous fauna | Bony fishes | Streams/lakes | Good | Good | Edible | - | - | - |
| Toad | <i>Duttaphrynus melanostictus</i> | Indigenous fauna | toad | Streams /lakes | good | good | | - | - | - |
| Frog | <i>Sphearopheca breviceps</i> | Indigenous fauna | Frog | Streams/lakes | Good | Good | | - | - | - |

| | | | | | | | | | | |
|---------------------|---------------------------------|------------------|---------------|---------------|------|------|--|---|---|---|
| Bull Frog | <i>Hoplobatrachus pigerinus</i> | Indigenous fauna | Frog | ponds | good | good | | - | - | - |
| Snake | <i>Krait</i> | Indigenous fauna | snake | Streams/tawi | Good | Good | | - | - | - |
| Snake | <i>Russels viper</i> | Fauna | Snake | Streams/lakes | good | good | | - | - | - |
| Water hyacinth | <i>Eichhornia crassipes</i> | Indigenous fauna | Aquatic plant | Streams/lakes | Good | Good | | - | - | - |
| Water lettuce | <i>Pistia stratiotes</i> | Indigenous fauna | Aquatic plant | Streams/lakes | Good | Good | | - | - | - |
| Lucky 4-leaf clover | <i>Marsillia mutica</i> | Indigenous fauna | Aquatic plant | Streams/lakes | Good | Good | | - | - | - |
| Money wort | <i>Bacopa monnieri</i> | Indigenous fauna | Aquatic plant | Streams/lakes | Good | Good | | - | - | - |
| Water popy | <i>Hydrocleys nymphoides</i> | Indigenous fauna | Aquatic plant | Streams/lakes | Good | Good | | - | - | - |
| Water lilly | <i>lotus</i> | Indigenous fauna | Aquatic plant | Streams/lakes | Good | Good | | - | - | - |

Format 21

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|---------------------|------------------------------|---------------|---|--------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance | Trends |
| 1 | Water hyacinth | <i>Eichhornia crassipes</i> | Aquatic plant | Use as eggcollector in breeding of fish | - |
| 2 | Water lettuce | <i>Pistia stratiotes</i> | Aquatic plant | Use as eggcollector in breeding of fish | - |
| 3 | Lucky 4-leaf clover | <i>Marsillia mutica</i> | Aquatic plant | - | - |
| 4 | Money wort | <i>Bacopa monnieri</i> | Aquatic plant | - | - |
| 5 | Water popy | <i>Hydrocleys nymphoides</i> | Aquatic plant | - | - |
| 6 | Water lilly | <i>lotus</i> | Aquatic plant | - | - |
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Format 22: Wild Plants of Medicinal Importance

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
|---------------------------|------------|------------------------------|---------|---------------------|--------------|---------|---------------------|--------------|-----------|-------------------------------|-----------------------------|
| Plant (Herb, Shrub, Tree) | Local Name | Scientific Name | Variety | Landscape / Habitat | Local Status | | Associated TK | Uses (usage) | Part used | Other details market/ own use | Community/ Knowledge Holder |
| | | | | | Past | Present | | | | | |
| herb | Datura | <i>Datura stromanium</i> | | | | present | Used in pooja | | Fruit | Own use | Local people |
| Tree | Billan | <i>Aegle marmelos</i> | | | | present | Liver tonic | | Fruit | | Local people |
| Shrub | Banah | <i>Vitex negundu</i> | | | | present | Pesticide | | Leaves | | Local people |
| Shrub | Timru | <i>Xanthoxylum alatum</i> | | | | present | Apetite booster | | Fruit | | Local people |
| Tree | Fakor | <i>Ficus palmat</i> | | | | present | | | Fruit | | Local people |
| Tree | Trimbal | <i>Ficus auriculata</i> | | | | present | Fodder | | fruit | | Local people |
| Tree | Behra | <i>Terminallia bellerica</i> | | | | present | trifla | | Fruit | | Local people |
| Tree | Harad | <i>Terminallia chebula</i> | | | | present | Trifla | | Fruit | | Local people |
| Tree | Amla | <i>Emblica officinale</i> | | | | present | Trifla | | Fruit | | Local people |
| Shrub | Kakoa | <i>Flacourtia indica</i> | | | | present | Immunity booster | | Fruit | | Local people |
| Shrub | Thor | <i>Euphorbia royleana</i> | | | | present | Mixed with curd | | Stem | | Local people |
| Shrub | Phulai | <i>Acacia modesta</i> | | | | present | Used as Tooth brush | | Branches | | Local people |
| Shrub | Anardana | <i>Punica granatum</i> | | | | present | Chutney | | Fruit | | Local people |
| Tree | Kayora | <i>Agave americana</i> | | | | present | Pickles | | Fruit | | Local people |

| | | | | | | | | | | | |
|-------|---------|-------------------------|--|--|--|---------|-----------------|--|--------|--|--------------|
| Herb | Kainth | <i>Pyrus pashia</i> | | | | present | Wild fruit | | Fruit | | Local people |
| Shrub | Bhang | <i>Cannabis sativa</i> | | | | present | Sedative | | Leaves | | Local people |
| Shrub | ber | <i>Zyziphus jujuba</i> | | | | present | Fodder | | Fruit | | Local people |
| Herb | Brenkad | <i>Adhatoda vassica</i> | | | | present | Pesticide | | leaves | | Local people |
| Herb | pudina | <i>Mentha</i> | | | | present | Improve apetite | | leaves | | Local people |

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 | | | | | |
| Bar | <i>Ziziphus jujube</i> | Zipus mouritiana | Wild | Good | Good | Edible fruit | Fruit | | | |
| Kainthi | <i>Pyrus pyrifolia</i> | Pyrus communis | Wild | Good | Good | Edible fruit | Fruit | | | |
| Wild Grapes | <i>Vitis vinifera</i> | vitis | Wild | Good | Normal | Edible fruit | Fruit | | | |
| Local Mango | <i>Magnifera indica</i> | Magnifera indica | Wild | Good | Normal | Edible fruit | Fruit | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| <p align="center">Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide) Other details: Harvesting period /Perennial/annual/seasonal</p> | | | | | | | | | | |

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 |
| Amaltas | <i>Cassia fistula</i> | - | - | Ornamental | - | | Local |
| Simbel | <i>Bombax ceibe</i> | - | - | Ornamental | - | | Local |
| Palash | <i>Butea monosperma</i> | - | - | Ornamental | - | | Local |
| Kachnar | <i>Bauhinia variegata</i> | - | - | Ornamental | - | | Local |
| Brenkar | <i>Azotoda vesica</i> | - | - | Ornamental | - | | Local |
| Kamila | <i>Mallotus philippensis</i> | - | - | Edible oil | - | | Local |
| Siris | <i>Albizia lebbek</i> | - | - | ornamental | - | | Local |
| Kamble | <i>Lannea coromandelica</i> | - | - | Ornamental | - | | Local |
| Tali | <i>Dalbergia sissoo</i> | | | | | | |

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 | | | | | |
| Shrub | Nimbu | <i>Citrus lemon</i> | | Slopy/plain | | present | As food | Fruit | Vit.c source | | Local people |
| Herb | Puthkanda | <i>Achyranthes aspera</i> | | Hilly | | present | Medicine | Leaves | Aesthetic value | | Gujjar |
| Shrub | Lemon | <i>Cymbopogon citrates</i> | | Plain | | present | Medicine | Leaves | | | Gujjar |
| | Grass | | | | | | | | | | |
| Tree | Khair | <i>Acacia catechu</i> | | Hilly | | present | Timber | Stem | conjunctivitis | | bakerwal |
| Herb | Payaz | <i>Allium cepa</i> | | Plain | | present | Food | Stem | Diabetis | | Gujjar |
| Herb | Thoom | <i>Allium sativum</i> | | Plain | | present | Food | Bulb | High b.p | | Gujjar |
| Herb | Adhrak | <i>Zingiver officinale</i> | | Plain | | present | Food | Root | digestion | | Bakerwal |
| Tree | Neem | <i>Azadricheta indica</i> | | plain | | present | medicine | All | Leprosy | | Mix |
| Tree | Simbloo | <i>Berberis lyceum</i> | | Hilly | | present | Medicine | All | Diabetis | | Mix |
| Herb | Gungloo | <i>Brassica rapa</i> | | Plain | | present | Food | Root | Veg | | Locals |
| Shrub | Bhang | <i>Cannibus sativa</i> | | Hilly /plain | | present | Medicine | Leaves | Sedative | | Locals |

| | | | | | | | | | | | |
|-------|----------|-----------------------------|--|-------------|--|---------|----------|--------|----------------|--|--------|
| Tree | Papita | <i>Carica papaya</i> | | Plain | | present | Food | Fruit | Fruit | | Locals |
| Herb | Haldi | <i>Turcuma longa</i> | | Hilly | | present | Food | Root | Antiseptic | | Locals |
| Shrub | Brenker | <i>Adhatoda vasica</i> | | Hilly | | present | Medicine | Leaves | preservative | | Locals |
| Shrub | Geloy | <i>Tinospora cardifolia</i> | | Plain/hilly | | present | Medicine | Stem | pharmaceutical | | Locals |
| Herb | aloevera | <i>Withania somnifera</i> | | Plain/slopy | | present | medicine | All | Skin treatment | | Locals |

Format 26: Timber Plants

| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 |
|------------|---------------------------|---------|--------------|---------|--------------------|---------------|---------------|-----------------------------|
| Local Name | Scientific Name | Habitat | Local Status | | Other Uses, if any | Associated TK | Other Details | Community/ Knowledge Holder |
| | | | Past | Present | | | | |
| Chir | <i>Pinus roxburghii</i> | | | Present | Resin | Timber | | Bakerwal and local public |
| Tun | <i>Tuna ciliata</i> | | | Present | Timber | Cotton fiber | | Local natives of area |
| Drek | <i>Melia azadirach</i> | | | Present | Medicinal | Timber | | Local natives of area |
| Toot | <i>Morus alba</i> | | | Present | Timber | Fruit | | Local natives of area |
| Tali | <i>Dalbergia sissoo</i> | | | Present | Timber | Timber | | Local natives of area |
| Safeda | <i>Euclyptua globalus</i> | | | Present | E. Oil | Timber | | Local natives of area |
| Khirak | <i>Celtis australis</i> | | | Present | Timber | Edible seed | | Local natives of area |
| Simbel | <i>Bombar celba</i> | | | Present | Timber | Timber | | Public |
| Phulai | <i>Acacia modesta</i> | | | Present | Timber | | | Local natives of area |

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

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|-------------|------------|-------------------------------|---------|-------------|------------------|--------------|---------|------------------|---------------|--------------------------------------|---------------|-----------------------------|
| Animal Type | Local Name | Scientific Name | Habitat | Description | Season when seen | Local Status | | Uses (if any) | Associated TK | Mode of Hunting, collecting (if any) | Other details | Community/ Knowledge Holder |
| | | | | | | Past | Present | | | | | |
| Herbivore | Titli | <i>Précis hierta arboreal</i> | | Insect | | | Present | Nector collector | | | | Locals |
| Omnivore | Trida | <i>Poecilocerus pictus</i> | | Insect | | | Present | Pollination | | | | Locals |
| Omnivore | Murga | <i>Gallus galus</i> | | Bird | | | Present | Eggs | | | | Bakerwal |
| Carni | Kaag | <i>Corvus splendens</i> | | Bird | | | Present | Bioremediation | | | | Bakerwal |
| Omni | Papiya | <i>Clamotor jacopines</i> | | Bird | | | Present | Pollination | | | | Locals |
| Carnivore | Demak | <i>Calotermes domesticus</i> | | Insect | | | Present | Decomposer | | | | Locals |
| Carnivore | Kronkal | <i>Scolopendra morsitans</i> | | Insect | | | Present | Decomposer | | | | Locals |
| Herbivore | Khargosh | <i>Lepus nigricolis</i> | | Mammal | | | Present | Meat | | | | Locals |
| Carnivore | Chamgadard | <i>Pteropus gigantea</i> | | Mammal | | | Present | pollination | | | | locals |
| Carnivore | Mynah | <i>Acridotheres tristis</i> | | bird | | | Present | Pollination | | | | Locals |
| Carnivore | Gedhad | <i>Canis aureus</i> | | Mammal | | | Present | Carnivorus | | | | Locals |
| Omnivore | Gilhari | <i>Fanambulus pennati</i> | | Mammal | | | Present | | | | | Locals |

| | | | | | | | | | | | | |
|-----------|------------|------------------------------|--|-----------|--|--|---------|-----------------|--|--|--|--------|
| | Chakki | <i>Helix aspera</i> | | Insect | | | Present | Pollination | | | | Locals |
| Omnivore | Bagla | <i>Bubalcuribis</i> | | Bird | | | Present | Scavenger | | | | Locals |
| Carnivore | Mendak | <i>Rana tigrina</i> | | Amphibian | | | Present | Scavenger | | | | Locals |
| Herbivore | Madhumakhi | <i>Apis dorsata</i> | | Insect | | | Present | Honey | | | | Locals |
| Omnivore | Moor | <i>Pavo cristatus</i> | | Bird | | | Present | Aesthetic value | | | | Locals |
| Carnivore | Saamp | <i>Naja naja</i> | | Reptile | | | Present | | | | | Locals |
| Omnivore | Bander | <i>Simiformes catarrhini</i> | | Mammal | | | Present | | | | | Locals |

Format 29: 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.) |
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Note: Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 30

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

Format 31

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

End of Part II