

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Manchak

Taluk/Tehsil: Khour

District: Jammu

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti: 2 Km

Population Of the Panchayat samiti...Total 3200

Male= 1400

Female = Rest

Habitat and Topography:

Climate (Rainfall, Temperature and other weather patterns):

Land Use (Nine fold classification available with village records): Agriculture

Date, Month and Year of PBR preparation: 12/Jan/2022

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)

| S.No. | Category | Name | Age | gender | Adress | Area of Specialization |
|-------|-------------|----------------|-----|--------|------------|------------------------|
| 1 | Chairperson | Avtaar Singh | 70 | M | Manchak | Sarpanch Ex-servicemen |
| 2 | Member | Geeta Devi | 43 | F | Manchak | Panch, Housewife |
| 3 | Member | Bandana Devi | 25 | F | Manchak | Panch, Housewife |
| 4 | Member | Madan lal | 47 | M | Badan | Labour |
| 5 | Member | Surinder Kumar | 33 | M | Manchak | Panch-Workshop |
| 6 | Member | Manoj Kumar | 36 | M | Gadi nanda | Shop, Panch |
| 7 | Member | Daleep Singh | 31 | M | Manchak | Private, Company |

Annexure 3

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

| S.no | Block | Panchayat | Name | Age | Gender | Address | Area of Specialization | | |
|------|-------|-----------|-------------------|--------|--------|---------------------|------------------------|-----------|----------|
| | | | | | | | Agriculture | Fisheries | Forestry |
| 1 | Khour | Manchack | Swaraj Singh | 55 Yrs | Male | R/o Badhan | Agriculture | - | - |
| 2 | | | Mohan Lal | 50 yr | Male | R/o Manchak | Mushroom cultivation | | |
| 3 | | | Shamlal (Retired) | 75 yr | Male | R/o Jammu Kalkamati | Agriculture | | |
| 4 | Khour | Sarwal | Puranchand | 65 yr | Male | Indri Sajwal | Agriculture | | |

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: NIL

Name and Address: nil

2) Contact Person: NIL

Name and Address: nil

3) Contact Person: NIL

Name and Address: nil

4) Contact Person: NIL

Name and Address: nil

You may add more names of Individuals/NGO/Institutions 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**

| 1 | 2 | 3 | 4 | 5 | 6 |
|--------------|--|---|--|---|---|
| pyt. | 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 |
| Khour | nil | nil | nil | nil | nil |

End of Part I

Format 1 Crop Plants

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|------|-------|---------------------|-------------|--|-------------------------------------|--------------|----------|---|---------------|-------------------------------------|---------------|-------------------------|---|--------------------------|
| S.No | Crop | Scientific Name | Local Name | Description of the variety | Landscape / Habitat | Local status | | Special features | Uses | Associated TK | Other details | Cropping Season | Source of Seeds / Plants | Community / Known Holder |
| | | | | | | Past | Present | | | | | | | |
| 1 | Rice | <i>Oryza sativa</i> | Dhan/ Munji | B-370(Fine & Long duration) | Planes / Low laying Areas | Normal | Normal | Basmati 370 is world wise known for its aroma | Food & Fodder | Provides energy fragrance and taste | - | Kharif (May to October) | Farmers / Department/ Private Suppliers | Farmers |
| | | | | Basmati 1121/(Coarse K39 K434 Rattana & Long duration) | | Normal | Normal | Medium tall Coarse Grains | | | | | | |
| | | | | Chaina , Sharbati | Abundant | Rare | | | | | | | | |
| 2 | Maize | <i>Zea mays</i> | Maka | Dekalb double | Sub tropical / Upland | Rare | Plenty | Tall, high yielding with yellow in colour) | Food & Fodder | Provides energy | - | Kharif (May to October) | Farmers / Department/ Private Suppliers | Farmers |
| | | | | K-517 | | Plenty | Rare | Average tall with yellow in colour | | | | | | |
| | | | | Ujala | | Normal | Moderate | | | | | | | |
| | | | | K-612 | | Plenty | Normal | | | | | | | |
| | | | | Pro Agro-4794 | | Plenty | Normal | Tall, high yielding with yellow in colour) | | | | | | |
| 3 | Mash | <i>Vigna mungo</i> | Mhaa | PU-19 | Warm / Humid of Sub tropical region | Normal | Normal | High yielding Variety | Food | Source of Vegetable Protein | - | Summer/ Kharif | Farmers / Department/ Private Suppliers | Farmers |
| | | | | Utra | | Normal | Normal | | | | | | | |

| | | | | | | | | | | | | | | |
|----|-----------|---|--------|---|--|----------|----------|--|---------------|--------------------------|--|-------------------------|---|---------|
| 4 | Bajra | <i>Pennisetum americanum</i> | Bajra | Local Variety | Warm / Humid climate under Sandy loam Soil | Normal | Normal | Tall & low Yielding variety | Food & Fodder | Source of Energy | - | Kharif (May to October) | Farmers / Department/ Private Suppliers | Farmers |
| | | | | MHB-110 | | Normal | Normal | | | | | | | |
| 5 | Wheat | <i>Triticum aestivum</i> | Kanak | HD2967,PBW644 | Cool Climate during early part of its growth | Plenty | Plenty | High yielding Variety | Food & Fodder | Source of Energy | Suitable for Chappati/Bread making | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 6 | Lentil | <i>Lens esculantum</i> | Masar | PL406 | Cool & dry | Normal | Normal | High yielding Variety | Food | Source of Protein/Energy | Improve soil fertility | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 7 | Chick-pea | <i>Cicer arietinum</i> | Chana | GNG-469/C 235 | Cool & dry | Normal | Normal | High yielding Variety | Food | Source of Protein/Energy | Improve soil fertility | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 8 | Peas | <i>Pisum sativum</i> | Matar | Rachna | Cool & dry | Normal | Normal | Early maturing & High yielding | Food | Source of Protein/Energy | Used as Vegetable | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 9 | Onion | <i>Allium cepa</i> | Gamd | nasik Red. Red Coral, Monsanto And Local Spp. | local Planee areas | Abundant | Abundant | Bulbs Cash Crop | Vegetables | Vegetable | Staple Vegetable food | Rabi | Farmers / Department/ Private Suppliers | |
| 10 | Mustard | <i>Brassica juncea/ Brassica compestris</i> | Sarson | Pusa Bold/ KOS -1 | Cool & dry | Normal | Normal | Matures in 145-150 days with 40-42 % oil content | oil for Food | Source of energy i | vegetable Oil extracted from seeds used in cooking | Rabi | Farmers / Department/ Private Suppliers | Farmers |

| | | | | | | | | | | | | | | |
|----|--------------|----------------------------------|-------------|------------------------------------|--|----------|----------|--|---|--|---|------------------------------|--|---------|
| 11 | Gobhi Sarson | <i>Brassica napus</i> | Gobhi Saria | GSL-1,DGS-1,Local | Cool & dry | Normal | Abundant | Annual Herb,yellow flowers bearing Pods | oil for Food,leaves used as vegetable | Source of energy i,calciam,coper,potassium | vegetable Oil extracted from seeds used in cooking | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 12 | Linseed | <i>Linum usitatissimum</i> | Alsi | LC 54 | Cool & dry | Normal | Normal | Medium duration | Food & fiber | Source of energy in the shape of Oil | Medicinal,in dustrial & domestic use | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 13 | Potato | <i>Solanum tuberosum</i> | Aalo | Kufri Sindhuri,Kufri Badsha, local | Potato is an herbaceous annual,requires cool weather,mostly rainfed conditions | Abundant | Abundant | 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 n energy value | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| 14 | Toria | <i>Brassica.j. rape cv.Toria</i> | Toria | RSPT-1,RSPT-2,Local var. | Cool & dry with bright sunshine | Normal | Normal | Short durationAnnual Herb | oil for prepration of Food | Source of energy i,calciam,coper,potassium | vegetable Oil extracted from seeds used in cooking | Between Kharif & Rabi season | Farmers / Department/ Privaate Suppliers | Farmers |
| 15 | Sugarcane | <i>Saccharum officinarum</i> | Ganna | COJ-64,COJ-81 | Sub Tropical | Rare | Rare | Long duration crop for Nine months | Food | Source of energy in the shape of Gur/Sugar | Sugar cane Juice used as prefered drink for instant source of energy during summer besides beating heat | Spring season | Farmers / Department/ Privaate Suppliers | Farmers |

| | | | | | | | | | | | | | | |
|----|--------------|-------------------------------|---------|---|--|----------|----------|--|---------------------------------------|------------------------------|--|----------------|---|---------|
| 16 | Chilli | <i>Capsicum spp</i> | Mirchi | Pusa Jawala, CH-1 | Tropica/sub tropical vegetable, grows well in warm humid conditions | Abundant | Abundant | Pungency and flavor | Used as spice, medicinal value | - | Contains good amount of vitamin A&C | winter season | Farmers / Department/ Private Suppliers | Farmers |
| 17 | Tomato | <i>Solanum lycopersicum</i> | Tamater | Pusa rubi, Pusa early dwarf, Manisha Plus/local | Warm season crop | Abundant | Abundant | Stems are woody and weak, and tend to vine over other types of plants. | Used as vegetable, salad, soup, Sauce | rich source of Ascorbic acid | Tomatoes are also packed with vitamins A and C, calcium, potassium. | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 18 | Okra | <i>Abelmoschus esculentus</i> | Bindi | Varsha uphar, Arka Anamika | Tropica/sub tropical vegetable, Hot and humid climate | Abundant | Abundant | Tender green fruit used as vegetable | Mainly vegetable | Source of Fiber | Contains dietary fibers, protein and carbohydrate | Summer/ Kharif | Farmers / Department/ Private Suppliers | Farmers |
| 19 | Cucumber | <i>Cucumis sativus</i> | Kheera | Kheera local, JL | Grows in all climatic conditions, Tropical, Sub tropical & temperate | Abundant | Abundant | Limbing annual bearing elongated thick cylindrical fruit | Mainly used as salad | - | It also used as antipyretic and causing cooling effect | Summer/ Kharif | Farmers / Department/ Private Suppliers | Farmers |
| 20 | Bottle gourd | <i>Lagenaria siceraria</i> | Lokki | PSPL/Punjab Long | Summer & rainy season crop | Abundant | Abundant | Vines vigorous, profusely branched | Subzis, curries and gravies. | - | It also contains essential vitamins and minerals | Summer/ kharif | Farmers / Department/ Private Suppliers | Farmers |
| 21 | Bitter gourd | <i>Momordica charantia</i> | karela | Pusa Domausmi/Kundan | Warm and Humid climate | Abundant | Abundant | Herbaceous climbing annual with ridged stems | Vegetable and medicinal value | - | Used for maintaining low sugar level | Summer/ kharif | Farmers / Department/ Private Suppliers | Farmers |

| | | | | | | | | | | | | | | |
|----|-------------|---|-----------|--|---|----------|----------|---|---|--|--|---------------|---|---------|
| 22 | Beans | <i>Phaseolus Spp.</i> | Phaliya | Contender | Cool weather crop/Sandy/loamy soil | Abundant | Abundant | Tender green pods are used as vegetable | Mainly vegetable | Source of energy in the shape of Gur/Sugar | High vale protein, Vitamin B1, B2 < B6 and Maganese | Summer season | Farmers / Department/ Private Suppliers | Farmers |
| 23 | Cauliflower | <i>Brassica oleraceae var. botrytisis</i> | Fol gobi | Pusa snow ball, Pusa Katki, local Girja | Both sub tropical & intermediate | Abundant | Abundant | White and tender head, curd formed from shortened flower part | Curd Mainly used as vegetable | - | Also good source of protein, carbohydrate, phosphorus & iron | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 24 | Cabbage | <i>Brassica oleraceae var. capitata</i> | Band gobi | Golden Acre, Pride of India, Green Flesh | Both sub tropical & intermediate | Abundant | Abundant | Round head with light to dark green colour | Head Mainly used as vegetable, salad | - | Also good source of protein, carbohydrate, phosphorus & iron | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 25 | Knol khol | <i>Brassica oleraceae var. gongylodes</i> | Kadam | White vienna, Purple vienna | cool & moist climate/sub tropical | Abundant | Abundant | Swollen stem, green/purple with long and broad leaves | Swollen stem and leaves are consumed as vegetable | - | - | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 26 | Spanich | <i>Spinacea oleracea</i> | Palak | All Green, Delta | Cool season Crop, thrives well on well drained loam soils | Abundant | Abundant | Tender green leaves & root used as Vegetable | Tender green leaves used as leafy Vegetable | - | Vitamins A and C, fiber, folic acid, and other nutrients | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 27 | Radish | <i>Raphanus sativus</i> | Mulli | Japanes White, Koren Etc | Cool season Crop, thrives well on well drained Sandy loam soils | Abundant | Abundant | Tender green leaves & roots used as Vegetable | Modified Roots are used as Vegetable & Salad | - | Full of vitamin A, C, E, B6, potassium, and other minerals, | Rabi | Farmers / Department/ Private Suppliers | Farmers |

| | | | | | | | | | | | | | | |
|----|---------------------|---|-----------------|----------------------------|--|----------|----------|--|--|---|--|------|---|---------|
| 28 | Carrot | <i>Daucus carota</i> | Gajer | Pusa Kesar,local | Cool &moist climate/ sub tropical& intermedite | Abundant | Abundant | Modified Root is eatable | Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc. | - | Good source of carotene, , lutein, and zeaxanthin. Vit A,C,B6,Folic acid | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 29 | Turnip | <i>Brassica rapa</i> | Gunglu /Shalgam | PTWG/Local | Cool &moist climate/sub tropical& intermedite | Abundant | Abundant | Modified Root is eatable | Root is used as Vegetable ,Salad,. | - | Good source of Vit.C,Diatry Fiber &Potasium | Rabi | Farmers / Department/ Private Suppliers | Farmers |
| 30 | Exocitic Vegetables | <i>Broccoli// Chinese Cabbage / Capsicum etc.</i> | | Prevelent Hybrid varieties | Cool &moist climate/sub tropical&int ermedite | Rare | Abundant | All Plants Carts and Fruits are eadable Ric Source of antioxidants | Salad and Vegetable | | Ric Source of Multivitimins, Minierals and Antioxidents | Rabi | Farmers / Department/ Private Suppliers | Farmers |

Format 03 Fodder Crop/ Species

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 9 | 10 | 11 | 12 | 13 |
|--------|---------|-------------------------------|------------|--------|----------------------------|-----------------------------|--------------|----------|----------------------------|---|----------------------------|---|-----------------------|
| S. No. | Plant | Scientific Name | Local Name | Habit | Area (Approx.)Rabi/ Kharif | Landscape/ Habitat | Local Status | | Part Used | Associated TK | Other details(mode of use) | Sources of Seeds and Plants | Community Kn. Holders |
| | | | | | | | Past | Present | | | | | |
| 1 | Barseem | <i>Trifolium alexandrium</i> | Chhatala | Annual | | Sub Humid & moderately cool | Abundant | Abundant | Entire Plant | Nutritious & palatable fodder, Source of energy for animals | Fodder | Farmers / Department/ Private Suppliers | Farmers |
| 2 | Oats | <i>Avena spp.</i> | Javi | Annual | | Cool & moist climate | Abundant | Abundant | Above ground part of plant | Nutritious & palatable fodder, | Fodder | | Farmers |
| 3 | Sorghum | <i>Sorghum spp.</i> | cherri | Annual | | Warm & humid | Abundant | Abundant | Above ground part of plant | Source of energy | Fodder | Farmers / Department/ Private Suppliers | Farmers |
| 4 | Maize | <i>Zea mays</i> | Makki | Annual | | Warm & humid | Abundant | Abundant | Above ground part of plant | Source of energy | Food & fodder | | Farmers |
| 5 | Bajra | <i>Pennisetium americanum</i> | Bajra | Annual | | Warm & humid | Abundant | Normal | Above ground part of plant | Source of energy | Food & fodder | Farmers / Department/ Private Suppliers | Farmers |
| 6 | Cowpea | <i>Vigna unguiculata</i> | Rongi | Annual | | Warm & humid | Abundant | Normal | Above ground part of plant | Kharif Legume with high protein | Fodder | | Farmers |

Format 04 Weeds

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | 9 | 10 | 11 | 12 | 13 |
|--------|-----------------|--------------------------------|------------------------------|--|-----------------------------|------------------------|--------------|----------|----------------------------------|--------------------------------|---|---|-----------------------|
| S. No. | Plant | Scientific Name | Local Name | Affected Crop | Habit | Landscape/ Habitat | Local Status | | Uses if any | Management options | Associated TK | Other details | Community Kn. Holders |
| | | | | | | | Past | Present | | | | | |
| 1 | Pig Weed | <i>Amaranthus viridis</i> | Jangli Choulai | Rice, Maize & sugarcane | Annual herb | Agri. Land | Normal | Normal | Eaten as boiled green veg | Physical, Mechanical, Chemical | Rich Source of protein & amino acid | Also Used as medicinal herb | Farmers |
| 2 | Lamb's quarters | <i>Chenopodium album</i> | Bathua/ Kanh/Wild Spinach | Wheat, Pea, Potato | Annual herb | Agri. Land | Normal | Normal | Eaten as boiled green veg | Physical, Mechanical, Chemical | Rich Source of protein, Vit. A, Calcium, Phosphorous & potash | Annual feed & fermentation of Beverages | Farmers |
| 3 | Nut Grass | <i>Cyperus rotundus</i> | Dilla/Motha | Paddy, maize, sugarcane, vegetable | Perennial | Agri. & Non Agri. Land | Abundant | Abundant | Fodder & Animals | Physical, Mechanical, Chemical | Nil | Traditionally used as medicine | Farmers |
| 4 | Barnyard Grass | <i>Echinochloa crusgalli</i> | Swank | Paddy | Annual | Agri. Land | Abundant | Rare | Fodder & Animals | Physical, Mechanical, Chemical | Nil | Nil | Farmers |
| 5 | Carrot grass | <i>Parthenum hysterophorus</i> | Congress Grass | Gardens & sugarcane ratoon crops & other crops | Annual | Agri. Land | Abundant | Abundant | Nil | Physical, Mechanical, Chemical | Abnoxious weed difficult to manage | | Farmers |
| 6 | Bur Clover | <i>Medicago denticulata</i> | Maina | Wheat Grass Peas | Perennial herbaceous legume | Agri. Land | Normal | Abundant | Fodder, vegetable & green manure | Mechanical, Chemical | Nil | Improves Soil fertility | Farmers |
| 7 | Canary Grass | <i>Phalaris minor</i> | Sitti/gilli danda | Wheat Grass Peas, mustard | annual | Agri. Land | Abundant | Abundant | Fodder & forage | Mechanical, Chemical | Source for High quality protein | Agri. Land | Farmers |

| | | | | | | | | | | | | | |
|----|----------------|----------------------------|--------------|---------------------------|-------------|-----------------------|---------|---------|-------------------|----------------------|-----|----------------------------|---------|
| 8 | Meadow Pea | <i>Lathyrus aphaca</i> | Matri | Wheat Grass Peas, mustard | annual | Agri. Land | Normal | Normal | Fodder | Mechanical, Chemical | Nil | Agri. Land | Farmers |
| 9 | Canada Thistle | <i>Cirsium arvense</i> | Leh | Wheat gram, Barley | Perennial | Agri. & wasteLand | Normal | Normal | | Mechanical, Chemical | Nil | Agri. Land | Farmers |
| 10 | Bang | <i>Cannabisindica</i> | Bang | Kharif Crops | Perennial | Agri. & wasteLand | Normal | Normal | | Mechanical, Chemical | Nil | Agri. Land | Farmers |
| 11 | Nilibuti | <i>Ageratum conyzoides</i> | Nilibuti | Rabi Crops | Perennial | Agri. & wasteLand | Normal | Normal | | Mechanical, Chemical | Nil | Agri. & wasteLand | Farmers |
| 12 | Dub Grass | <i>Cynodon dactylon</i> | Dub Grass | Rabi/ Kharif | Perennial | Agri. & wasteLand | Abudant | Abudant | Fooder | Mechanical, Chemical | Nil | Agri. & wasteLand | Farmers |
| 13 | Wild oats | <i>Avena fatua</i> | Jangli Javi | Oats | Annual herb | Sub Tropical | Rare | Rare | Fodder | Above ground parts | - | Nutrive Fodder for Animals | Farmers |
| 14 | Wild Rice | <i>Echinochloa colonum</i> | Swanki | Paddy | Annual herb | Sub Tropical | Rare | Rare | Fodder | Above ground parts | - | Nutrive Fodder for Animals | Farmers |
| 15 | Jhonson Grass | <i>Sorghum helepense</i> | Beru grass | Sorghum | Perinneal | Sub Tropical | Rare | Rare | Fodder | Above ground parts | - | Nutrive Fodder for Animals | Farmers |
| 16 | wild onion | <i>Allium humaie</i> | Jangli payas | Onion | Annual herb | Temprate/sub tropical | Rare | Rare | Food and medicine | All parts used | - | - | Farmers |

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 season of access | Landscape management practices | Resource management practices | Cast/tribe | Social condition | Nature of inhabitants | No. of HHs |
| Hindu,Muslim(2-3 Homes), Gujjar & Bakarwals ,Sikh (Total Population 48584) | Government Services, private services, Agriculture, Live stock etc | Labourers | Plane and Hilly | Paddy (June to ending July),Maize (April to ending may),Wheat (Oct to Nov),Mustard (Sep/Oct) | Check Dam | Check Dam | General cast/Scheduled Cast/Scheduled tribes | Average | Farmers, Labourers, Servicemen , army, Teacher | 11,373 |
| | | | | | Nallah Bank Erosion Structure (Protective Banks) | Nallah Bank Erosion Structure (Protective Banks) | | | | |
| | | | | | Concrete Channel | Concrete Channel | | | | |
| | | | | | Lined Channel | Lined Channel | | | | |
| | | | | | Water Harvesting Structures | Water Harvesting Structures | | | | |

Format 8: Landscape

| 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 | | | | | | | | | | | |
| Plains | | | Plains | hilly as well as | Forest land, Private, state lands, | Broad leaved mainly | Domestic animals, wildlife such as porcupine, jackal etc. | Public, as well as pvt, and Govt also | | Plantation and agriculture | | | |
| | | | Hillocks | plain terrain with gentle slope | Forest land, Private, state lands, | Broad leaved | Domestic animals, wildlife such as porcupine, jackal etc. | Public, as well as pvt, and Govt also | | Plantation and agriculture | | | |
| Shiwalik areas | | | Hills | Hills with gentle slopes | Forest land, Private, state lands, | Broad leaved | Domestic animals, wildlife such as porcupine, jackal etc. | Public, as well as pvt, and Govt also | | Plantation and agriculture | | | |

Format 9: Waterscape

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|-------------------------|-----------|--------------------------|------------------------------|---------------|--------------------------------|---|-------------|----------------------|--------------|---------------|---------------|--------------------|
| Waterscape element type | Sub- type | Features and approx area | Ownership | General flora | General fauna | Major uses | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Ponds | | | Forest land and Private land | kamal,Baryan, | Frogs , fishes, snakes, snail, | Cattles, washing cloths, irrigation, Drinking etc | public | | | | | |
| Streams | | | Forest land and Private land | | Frogs , fishes, snakes, snail, | Cattles, washing cloths, irrigation, Drinking etc | public | | | | | |
| Tube well (3) | | | Forest land and Private land | | Frogs , fishes, snakes, snail, | Cattles, washing cloths, irrigation, Drinking etc | public | | | | | |
| Canals | | | Private | | Frogs , fishes, snakes, snail, | Cattles, washing cloths, irrigation, Drinking etc | public | | | | | |
| Hand pumps | | | Private | | Frogs , fishes, snakes, snail, | Cattles, washing cloths, irrigation, Drinking etc | public | | | | | |
| Bowlis | | | Private | | Frogs , fishes, snakes, snail, | Cattles, washing cloths, irrigation, Drinking etc | public | | | | | |

Format 10: Soil type

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|--------------|---|---------------------|---------------------|-----------------|------------------------|-----------------------------|------------------------|----------------------|--------------------------|
| S.No. | Soil | Type | Colour | Features | Soil management | Plants/Crop Suitable | Flora and Fauna | Associated TK | Other Information |
| 1 | Alluvial sandy soil, Dugli Mitti Clayey Soil | Fine & coarse grain | rich in N,ca, fe,si | | | | | | |
| 2 | Hill and mountaain soil | Fine & coarse grain | ca,fe,n,si, etc | | | | | | |
| 3 | Red podozolic soil | brown,red | fe,ca,fe,n,si | | | | | | |
| 4 | Unconsolidated boulder soil | Coarse grain, rocky | fe, si | | | | | | |

Format 11 Fruit trees

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 |
|--------------|---------------------------------|--|----------------------------------|-----------------------|---------------------|--------------|---------|------------------------------|---------------------|-----------------------------|---------------|---------------------------------|-------------------------|
| Plants | Scientific Name | Local Name | Variety | Habit | Landscape / Habitat | Local Status | | Source of Plants / Seeds | Seasons of Fruiting | Uses (Usages) | Associated TK | Others Details Market / Own Use | Community / Know Holder |
| | | | | | | Past | Present | | | | | | |
| Mango | <i>Mangifera indica</i> | Aam | Desi, Dusheri, Malta | Alternate Bearing | Plains | Plenty | Plenty | Nurseries | Jun-Aug | Fruit, Pickle, Preserves | | Marketing, Own Use | |
| Citrus Fruit | <i>Citrus spp.</i> | Khatti, Galgal, Nimbu, Santra, Kinnoo etc. | Local Selection, Kagzi Lime etc. | Tree, Regular Bearing | Plains, mid hills | Plenty | Plenty | Nurseries | Through Out Year | Fruit, Pickle, Squashes etc | | Marketing, Own Use | |
| Litchi | <i>Litchi chinensis</i> | Litchi | Culcatta, Dehradun | Tree, Regular Bearing | Plains | Plenty | Plenty | Nurseries | Jul - Aug | Fruit | | Marketing | |
| Guava | <i>Psidium guajava</i> | Amrood | Local, L49 etc. | Tree, Regular Bearing | Plains, Lower Hills | Plenty | Plenty | Nurseries | Jul - Aug | Fruit | | Marketing, Own Use | |
| Grapes | <i>Vitis vinifera</i> | Angoor | Local Dakh, Perlette | Vine, Regular Bearing | Plains, Mid Hills | Rare | Plenty | Nurseries | Jul - Aug | Fruit | | | |
| Aonla | <i>Phyllanthus emblica</i> | Ambla | Local Selection, NA-7 | Tree, Regular Bearing | Plains | Plenty | Plenty | Nurseries, Local Collections | Nov.- Dec | Pickling Preserve etc | | Marketing, Own Use | |
| Ber | <i>Ziziphus mauritiana lamk</i> | Ber | Gola, Varanasi | Tree, Regular Bearing | Plains | Plenty | Plenty | Local | Jul - Aug | Fruit | | Own Use | |
| Jamun | <i>Syzygium cumini</i> | Jamun | Local Selection | Tree, Regular Bearing | Plains | Rare | Rare | Nurseries, Local Raised | Jul - Aug | Fruit | | Own Use | |

| | | | | | | | | | | | | | |
|-------------|----------------------------|--------------|-------------------------|------------------------------|-------------------|------|--------|-------------------------------|-----------|-----------------|--|--------------------|--|
| Pomegranate | <i>Punica granatum</i> | Anaar, Druni | Ganesh, Kandhari, Local | Tree, Regular Bearing, Shrub | Plains, Mid hills | Rare | Rare | Nurseries, Local Raised, Wild | May - Aug | Fruit, Anardana | | Own Use | |
| Pear | <i>Pyrus spp.</i> | Nakh | Pathar Nakh, China Pear | Tree, Regular Bearing | Plains, mid hills | Rare | Rare | Nurseries | Aug - Sep | Fruit | | Own Use | |
| Peach | <i>Prunus persica</i> | Aaroo | July Elberta, Quetta | Tree, Regular Bearing | Plains, mid hills | Rare | Plenty | Nurseries | Jun - Jul | Fruit | | Marketing, Own Use | |
| Strawberry | <i>Fragaria × ananassa</i> | Strawberry | Chandler | Runner, Annual | Plains, mid hills | Rare | Plenty | Nurseries | Mar - Apr | Fruit | | Marketing | |
| Karonda | <i>Carissa carandas</i> | Garnay | Local | Shrub | Hills/ Plains | Rare | Rare | Wild, Local | Jun - Aug | Fruit | | Marketing, Own Use | |
| Papaya | <i>Carica papaya</i> | Papita | Local | Tree | Plains | Rare | Plenty | Nurseries, Locally Raised | Aug - Oct | Fruit | | Own Use | |

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 | Community/ Know. |
| | | | | | | Past | Present | | | | | |
| Herbs | Dudlu | <i>Taraxacum officinale</i> | | Temperate area | Root | Rare | Rare | nil | Leaves | N.A | N.A | Generally, held by community |
| Herbs | Jungli putna | <i>Mentha arvensis</i> | | Lower shiwalik/Temperate area | Root | Abundant | Abundant | nil | Leaves | N.A | N.A | Generally, held by community |
| Shrubs | brankad | <i>Adhatoda vesica</i> | | Lower shiwalik | Seed | Abundant | Abundant | nil | | N.A | N.A | Generally, held by community |
| Shrubs | Drainkdu | <i>Murraya koenigii</i> | | Sub-Tropical area | Seed | Rare | Abundant | nil | Fruit | N.A | N.A | Generally, held by community |
| Shrubs | Dussa | <i>Colebrookia oppositifolia</i> | | Lower shiwalik | Seed | Rare | Rare | nil | Flower | N.A | N.A | Generally, held by community |
| Shrubs | Thor/Shuu | <i>Euphorbia royleana</i> | | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves | N.A | N.A | Generally, held by community |
| Shrubs | Bareyan | <i>Acorus calamus</i> | | Lower shiwalik | Seed | Rare | Rare | nil | Leaves | N.A | N.A | Generally, held by community |
| Shrubs | Bhang | <i>Canabis sativa</i> | | Lower shiwalik | Seed | Abundant | Abundant | nil | | N.A | N.A | Generally, held by community |
| Tree | Amla | <i>Phyllanthus emblica</i> | | Lower shiwalik | Seed | Abundant | Moderate | nil | Leaves/Fruit | N.A | N.A | Generally, held by community |
| Tree | Bair | <i>Ziziphus xylocarpa</i> | | Lower shiwalik | Seed | Abundant | Abundant | nil | Stem | N.A | N.A | Generally, held by community |
| Tree | Bheda | <i>Terminalia bellerica</i> | | Lower shiwalik | Seed | Rare | Abundant | nil | Fruit | N.A | N.A | Generally, held by community |
| Tree | Bill-Patre | <i>Aegle mermelos</i> | | Sub-Tropical area | Seed | Abundant | Abundant | nil | Root | N.A | N.A | Generally, held by community |
| Tree | Drankh | <i>Melia azadirach</i> | | Lower shiwalik | Seed | Abundant | Abundant | nil | Leaves | N.A | N.A | Generally, held by community |
| Tree | Harad | <i>Terminalia chebula</i> | | Lower shiwalik | Seed | Abundant | Abundant | Good for digestion | Stem/Fruit | N.A | N.A | Generally, held by community |

| | | | | | | | | | | | | |
|--------|--------------|-----------------------------|--|----------------|------|----------|----------|-------------------------------------|---------------|-----|-----|------------------------------|
| Tree | Jaman | <i>Syzygium cumini</i> | | Lower shivalik | Seed | Abundant | Abundant | maintains sugar level in human body | Leaves/Fruit | N.A | N.A | Generally, held by community |
| Tree | Kakad-Singhi | <i>Pistacia khinjuk</i> | | Lower shivalik | Seed | Rare | Rare | nil | Leaves/Fruit | N.A | N.A | Generally, held by community |
| Tree | Karal | <i>Bauhinia variegata</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Flower | N.A | N.A | Generally, held by community |
| Tree | Khair | <i>Acacia catechu</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Stem | N.A | N.A | Generally, held by community |
| Tree | Kringal | <i>Casia fistula</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Fruit | N.A | N.A | Generally, held by community |
| Tree | Lusada | <i>Cordia dichotoma</i> | | Lower shivalik | Seed | Rare | Abundant | nil | Leaves/Fruit | N.A | N.A | Generally, held by community |
| Tree | Mango | <i>Mangifera indica</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Stem/Fruit | N.A | N.A | Generally, held by community |
| Tree | Retha | <i>Sapindus mukorossii</i> | | Lower shivalik | Seed | Rare | Rare | nil | Fruit | N.A | N.A | Generally, held by community |
| Tree | Rumbal | <i>Ficus racemosa</i> | | Lower shivalik | Seed | Rare | Abundant | nil | Leaves | N.A | N.A | Generally, held by community |
| Tree | Sree | <i>Albizia lebeck</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Stem | N.A | N.A | Generally, held by community |
| Tree | Talli | <i>Dalbergia sissoo</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Stem | N.A | N.A | Generally, held by community |
| Tree | Tuni | <i>Toona ciliata</i> | | Lower shivalik | Seed | Abundant | Rare | nil | Stem | N.A | N.A | Generally, held by community |
| Tree | Arjun | <i>Terminalia arjuna</i> | | Lower shivalik | Seed | Abundant | Moderate | nil | Leaves/Bark | N.A | N.A | Generally, held by community |
| Tree | Bheda | <i>Terminalia bellerica</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Bark | N.A | N.A | Generally, held by community |
| Tree | Amla | <i>Emblica officinalis</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Bark | N.A | N.A | Generally, held by community |
| Tree | Neem | <i>Azadirachta indica</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Bark | N.A | N.A | Generally, held by community |
| tree | Khair | <i>Accacia catechu</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Bark | N.A | N.A | Generally, held by community |
| Shrubs | Bhang | <i>Cannabis sativa</i> | | Lower shivalik | Seed | Abundant | Abundant | nil | Leaves/Bark | N.A | N.A | Generally, held by community |

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

Format 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 | | | | | |
| Goat | Bakri | <i>Copra</i> | Beetal Crosses | Large size, high body wt. mostly black & brown body color | Statonary | Pleny | Rare | Chevon milk, skin, hair and manure | Yes | Some | Chevo, milk skin, hair, bones, hide and gut | Locals |
| | Hen | <i>Gallus gallus domesticus</i> | | | | | | | | | | |
| | Horse | <i>Equus caballus</i> | | | | | | | | | | |
| | Cow | <i>Bos tarus</i> | | | | | | | | | | |
| | Buffalo | <i>Gallus gallus domesticus</i> | | | | | Rare | | | | | |

Format 16: Culture Fisheries

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
|-----------|------------|-----------------|---------|----------|----------------------------------|--------------|---------|------|---------------|--------------------|----------------|-------------------------|
| Fish Type | Local name | Scientific Name | Variety | Features | Waterscape (Pond/bheri/talao) | Local status | | Uses | Associated TK | Commercial rearing | Other deatails | Community Know. Holders |
| | | | | | | Past | Present | | | | | |

There is no culture Fisheries taken up in this panchayat

Format 17: Markets/Fairs for Domesticated Animals, Medicinal Plants and other products

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---------------------------------|-----------|---|----------|---|---------------------------------|---|---|---|
| Name of the Weekly Market /Fair | Location. | Weekly/Fortnightly & Others Bi-annual /Annual | Day held | Month incase of bi-annual or annual market fair | Types of animal bought and sold | Number of animals (average) transacted in a day | Places from where the animals are arrived | Places to where the animals are transported |
| Fruit market / Nursery | Gardi | | | | | | | |
| | Bishnah | | | | | | | |

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 | Shisham | <i>Dalbergia sisoo</i> | Tree | Northern/ Sub-Tropical | Good | Rare | Commercial/ own use | Stem, Timber | - | - | - |
| Tree | Khair | <i>Acacia catechu</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | Katha | - | - |
| Tree | Amla | <i>Emblica officinalis</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | Food processing | - | - |
| Tree | Siris | <i>Albizzia lebbek</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial own use | Timber/ Firewood | - | - | - |
| Tree | Lecunia | <i>Leucaena leucocephala</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Simbal | <i>Bombax ceiba</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Kamila | <i>Mallotus philippensis</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial /own use | Timber/ Firewood | - | - | - |
| Tree | Krangal | <i>Cassia fistula</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Ber | <i>Ziziphus jujuba</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial /own use | Fruit | - | - | - |
| Tree | Plash | <i>Butea monosperma</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/ Firewood | - | - | - |
| Tree | Arjun | <i>Terminalia arjuna</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/ Firewood | - | - | - |
| Tree | Jamun | <i>Syzygium cumini</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/ Firewood | - | - | - |
| Tree | Santha | <i>Dodonaea viscosa</i> | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/ Firewood | - | - | - |
| Tree | Amb | <i>Mangifera indica</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Fruit | - | - | - |

| 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 | Kiker | <i>Acacia nilotica</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree | Sagwan | <i>Tectona grandis</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree | Safeda | <i>Eucalyptus</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Tree | Bel | <i>Aegle marmelos</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Leaves/ Fruit | - | - | - |
| Grass | Bamboo | <i>Dendrocalamus strictus</i> | Grass | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Sticks | - | - | - |
| Herbs | Bhang | <i>Cannabis sativa</i> | herbs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Leaves | - | - | - |
| Shrub | Jojra | <i>Pupalia lappacea</i> | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | - | - | - | - |
| Shrub | Gandila | <i>Nerium indicum</i> | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Flower | - | - | - |
| Shrub | Pansar | <i>Wendlandia heynei</i> | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | - | - | - | - |
| Herbs | congress Grass | <i>Parthenium hysterophrous</i> | herbs | Northern/Sub-Tropical | Good | Moderate | - | - | - | - | - |
| Tree | Badh | <i>Ficus religiosa</i> | Tree | Northern/Sub-Tropical | Good | Moderate | - | - | - | - | - |
| Tree | Phulai | <i>Acacia modesta</i> | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Timber/Firewood | - | - | - |
| Climber | Tarad | <i>Dioscorea belophylla</i> | Climber | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Roots | | | |
| Climber | Jungli bitter melon | <i>Momordica charantia</i> | Climber | Northern/Sub-Tropical | Good | Moderate | Commercial/own use | Fruit | | | |
| Climber | Purple yam | <i>Dioscorea alata</i> | Climber | Northern/Sub-Tropical | Good | Moderate | - | | | | |
| Climber | Striped cucumber | <i>Diplocyclos palmatus</i> | Climber | Northern/Sub-Tropical | Good | Moderate | - | | | | |

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 | Brenker | <i>Adhatoda vasica</i> | Shrub | - | Good |
| 2 | Bhang | <i>Cannabis sativa</i> | Shrub | Medicinal | Good |
| 3 | Aakh | <i>Ipomea cornea</i> | Shrub | Soil binder | Good |

Format 20: Aquatic Biodiversity

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
|---------------|-------------------------------|---------|--|---------|--------------|---------|---------------|---------------|--------------------------------|
| Local Name | Scientific Name | Variety | Features | Habitat | Local Status | | Associated TK | Other details | Community/ Knowledge Holder |
| | | | | | Past | Present | | | |
| Carp | <i>Cyprinus carpio</i> | | Dorsal fin base long with 17-22 branched rays and a strong toothed spine in front, pharyngeal teeth 5:5 teeth with flattened crowns. | | Good | Good | | | |
| Brown trout | <i>Salmo trutta</i> | | An average length of 40-80 cm with a maximum length of 140 cm the spawning behaviour of brown trout is similar to that of the closely related atlantic salmon. | | Good | Good | | | |
| Sago pondweed | <i>Potamogeton pectinatus</i> | | is a perennial at a fast rate, it is in flower from may to september. The species is hermaphrodite (has both male and female organs) and is pollinated by water. It is noted for attracting wildlife. | | Good | Good | | | |

Format 21: Wild Aquatic Plant Species of Importance

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

Format 22: Wild Plants of Medicinal Importance

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 |
|--------------------------------|------------|-----------------------------|---------|-----------------------|--------------|---------|--------------|--------------|---------------------------------|--------------------------------|
| Plant (Herb,Shrub, Tree) | Local Name | Scientific Name | Variety | Landscape/Habitat | Local Status | | Uses (usage) | Part used | Other details market/own use | Community/ Knowledge Holder |
| | | | | | Past | Present | | | | |
| Tree | Arjun | <i>Terminalia arjuna</i> | Tree | Northern/Sub-Tropical | Good | Good | Medicinal | Bark | - | - |
| Tree | Amla | <i>Emblica officinalis</i> | Tree | Northern/Sub-Tropical | Good | Good | Medicinal | Bark/ Fruit | - | - |
| Tree | Harad | <i>Terminalia chebula</i> | Tree | Northern/Sub-Tropical | Good | Good | Medicinal | Bark/ Fruit | - | - |
| Tree | Behra | <i>Terminalia bellerica</i> | Tree | Northern/Sub-Tropical | Good | Good | Medicinal | Bark/ Fruit | - | - |
| Tree | Sukchain | <i>Pongamia pinnata</i> | Tree | Northern/Sub-Tropical | Good | Good | Medicinal | Bark | - | - |
| Tree | Jamun | <i>Syzygium cumini</i> | Tree | Northern/Sub-Tropical | Good | Good | Medicinal | Fruit /seeds | - | - |

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 | | | | | |
| | | | | | | | | | | |
| NIL | | | | | | | | | | |

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 |
| Gandila | <i>Nerium indicum</i> | Shrub | Northern/ Sub-Tropical | - | - | - | - |
| Panjtara | <i>Tara spinosa</i> | Shrub | Northern/ Sub-Tropical | - | - | - | - |
| Bougainvillea | <i>Bougainvillea glabra</i> | Shrub | Northern/ Sub-Tropical | - | - | - | - |
| Gulmohar | <i>Delonix regia</i> | Tree | Northern/ Sub-Tropical | - | - | - | - |

Format26: 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> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Shisham | <i>Dalbergia sissoo</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Ber | <i>Ziziphus jujuba</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Sagwan | <i>Tectona grandis</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Safeda | <i>Eucalyptus</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Simbal | <i>Bombax ceiba</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Tunu | <i>Cidrela toona</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Jamun | <i>Syzygium cumini</i> | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |

Format27 A:Coastal and Marine Flora

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|------------|------------|-----------------|---------|--------------|---------|----------------|------------------------|------------|---------------|----------------------------|
| Plant Type | Local Name | Scientific Name | Habitat | Local status | | Part collected | Commercialuses(if any) | Other Uses | Associated TK | Community Knowledge Holder |
| | | | | Past | Present | | | | | |
| | | | | | | | | | | |
| NIL | | | | | | | | | | |

Format 27 B:Coastal and Marine Fauna

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|--------------------|-------------------|------------------------|----------------|---------------------|----------------|--------------------------------|---------------------------------|-------------------|----------------------|-----------------------------------|
| Animal Type | Local Name | Scientific Name | Habitat | Local status | | Part collected (if any) | Commercial uses (if any) | Other Uses | Associated TK | Community Knowledge Holder |
| | | | | Past | Present | | | | | |
| NIL | | | | | | | | | | |

Format 29: Flora

| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|----------------|-------------------|-------------------------|-----------------------|----------------|-------------------------|-------------------------------------|
| Sr. No. | Local Name | Scientific Name | Type of Plants | Habitat | Flowering Season | Remarks (Rare / Common etc.) |
| 1 | <i>kikar</i> | <i>Acacia nilotica</i> | Broad leave | sub tropical | summer | Common |
| 2 | <i>Mangoo</i> | <i>Mangifera indica</i> | Broad leave | sub tropical | summer | Common |
| 3 | <i>Safeda</i> | <i>Eucalyptus spp.</i> | Broad leave | sub tropical | summer | Common |
| 4 | <i>Sree</i> | <i>Albizzia lebbeck</i> | Broad leave | sub tropical | summer | Common |
| 5 | <i>Talli</i> | <i>Dalbergia sissoo</i> | Broad leave | sub tropical | summer | Common |
| 7 | <i>Popular</i> | <i>Populus ciliata</i> | Broad leave | sub tropical | summer | Common |
| 9 | <i>Jammun</i> | <i>Syzygium cumini</i> | Broad leave | sub tropical | summer | Common |

Format 30: Fauna

| 1 | 2 | 3 | 4 | 5 | 6 |
|------|-------------|------------------------------|--|-------------|---------------------------|
| S.No | Local Name | Scientific Name | Type of Animals(Mammals /Birds/Fish/Insects etc.) | Habitat | Remarks(Rare/common etc.) |
| 1 | Cow | <i>Bos taurus</i> | Mammal | Terrestrial | Common |
| 2 | Buffalow | <i>Bubulus</i> | Mammal | Terrestrial | Common |
| 3 | Sheep | <i>Ovis aries</i> | Mammal | Terrestrial | Common |
| 4 | Goat | <i>Capra aegagrus hircus</i> | Mammal | Terrestrial | Common |
| 5 | Sparow | <i>Passeridae</i> | Birds | Terrestrial | Common |
| 6 | Crow | <i>Corvus</i> | Birds | Terrestrial | Common |
| 7 | Parrot | <i>Psittaciformes</i> | Birds | Terrestrial | Common |
| 8 | Peacock | <i>Pavo cristatus</i> | Birds | Terrestrial | Rare |
| 9 | Ant | <i>Formicidae</i> | insects | Terrestrial | Common |
| 10 | Bee | <i>Anthophila</i> | insects | Terrestrial | Common |
| 11 | Butterfly | <i>Rhopalocera</i> | insects | Terrestrial | Common |
| 12 | Mosquto | <i>Culicidae</i> | insects | Terrestrial | Common |
| 13 | Caterpillar | <i>Lepidoptera</i> | insects | Terrestrial | Common |
| 14 | Fish | | Aquatic Animals | Aquatic | Common |

| | | | | | |
|----|-------------|---------------------|-----------------|---------|--------|
| 15 | Frog | <i>Anura</i> | Aquatic Animals | Aquatic | Common |
| 16 | Tortoise | <i>Testudinidae</i> | Aquatic Animals | Aquatic | Rare |
| 17 | Crocodile | <i>Crocodylidae</i> | Aquatic Animals | Aquatic | Rare |
| 18 | King Fisher | <i>Alcedinidae</i> | | | |
| 19 | Pigeon | <i>Columbidae</i> | | | |
| 20 | Bulbul | <i>Pycnonotidae</i> | | | |

Format 31: Any other information of local importance

| 1 | 2 | 3 |
|----------------|--|----------------|
| Sr. No. | Information of local importance | Remarks |
| | none | |

End of Part II