

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samity: Dhanu Parol

Taluk: Kathua District: Duggain

Geographical Area of the Panchayat Samity: 1250 hect

Population under the Panchayat Samity: Total 3950

Male :- 2800

Female :- 1150

Habitat and Topography:Hilly terrain area

Climate (Rainfall, Temperature and other weather patterns) Land Use (Nine fold classification available with village records) Date, Month and Year of PBR preparation: 26-10-2020

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

Annexure 1

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

1)Name of the Chairperson: Vijay Singh

Age:23 yrs

Gender:Male

Address:-Ward No 9 Panchayat Dhanuparol

Area of specialization:Sarpanch

2) Name: Hem Raj

Age: 44 yrs

Gender:male

Address:-Ward No 7 Panchayat Dhanuparol

Area of specialization: Teacher

3)Name:Reva Devi

Age:33 yrs

Gender:Female

Address:-Ward No 9 Panchayat Dhanuparol

Area of specialization:

4)Name: Bharat Singh

Age:40 yrs

Gender:male

Address:-Ward No 2 Panchayat Dhanuparol

Area of specialization:Teacher

5)Name:Karesh Kumar

Age:38 yrs

Gender:Male

Address:-Ward No 9 Panchayat Dhanuparol

Area of specialization:

6)Name:Neelam Devi

Age:45 yrs

Gender:Female

Address:-Ward No 9 Panchayat Dhanuparol

Area of specialization:

7)Name:Ajit Singh

Age:33 yrs

Gender:Male

Address:-Ward No 3 Panchayat Dhanuparol

Area of specialization:Member

Annexure-2

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

1) Name :Shankar Singh

Age:55 yrs

GENDER: Male

Address:Ward No 9 Dhanu parol

Area of specialization:Snake bite

Location from which the person accesses biological material: local/non local: Local

Perception of the practitioner on the resource status:less local resources available: Less

Medicinal Use: Treatment of Snakebite

| Annexure 3 | |
|---|--|
| List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and forestry | |
| 1) Name :Gardhari lal | |
| Age:48 yrs | |
| Gender:Male | |
| Address:Ward no 9 Dhanu Parol | |
| Area of specialization:Agriculture | |
| 2) Name :Raj Kumar | |
| Age:58 yrs | |
| Gender:Male | |
| Address:Ward No 9 Dhanu Parol | |
| Area of specialization:Agriculture | |
| 3) Name of the Chairperson:Amarnath | |
| Age:85 yrs | |
| Gender:Male | |
| Address:Ward No 7 Dhanu Parol | |
| Area of specialization:Agriculture | |
| 4) Name of the Chairperson: | |
| Age: | |
| Gender: | |
| Address: | |
| Area of specialization: | |

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

1) Contact Person:Mohan Lal

Name and Address:High School Dhanu Parol

2) Contact Person:Ajeet Singh

Name and Address:Middle School Dhanu Parol

3) Contact Person:Sanjay Kumar

Name and Address:P-S Pai

4) Contact Person:Kamlesh kumari

Name and Address:P-S Badhu

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 |
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End of Part I

Part II
PBR – Formats
AGROBIODIVERSITY
Format 1: Crop Plants

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---------|--------------------------|------------|---------|-----------------|--------------------|--------------|---------|--|-----------------|--------------------------|----------------------|------------------------------------|------------------------|--------------------------------|
| Crop | Scientific Name | Local Name | Variety | Landscape | Approx. area shown | Local Status | | Special features | Cropping season | Uses | Associated TK | Other details | Source of Seeds/Plants | Community/ Knowledge Holder |
| | | | | / Habitat | | Past | Present | | | | | | | |
| Rice | <i>Oryza sativa</i> | Dhan | Veliyan | Lowland valleys | | Plenty | Rare | Tall variety High yield Resistant to drought, flood, pest & diseases | | Food Fodder Roofing Fuel | Provides more energy | Suitable for “Valicha” cultivation | | Kurichiya Kuruma W. Chetty |
| Wheat | <i>Triticum aestivum</i> | Kanak | | | | Plenty | Plenty | | | | | | | |
| Mustard | <i>Brassica nigra</i> | Sarsoo | | | | Plenty | Plenty | | | | | | | |

The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 ‘other details’ vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

Format 2: Fruit Plants People's Biodiversity Register

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 |
|---------|----------------------------|------------|---------|---------------------|--------------|---------|------------------------|--------------------|---------------|------|-----------------------|------------------------------|
| Plant | Scientific Name | Local Name | Variety | Landscape / Habitat | Local Status | | Source of Seeds/Plants | Season of Fruiting | Associated TK | Uses | Other details market/ | Community / Knowledge holder |
| | | | | | Past | Present | | | | | ownuse | |
| Apricot | <i>Prunus armeniaca</i> | Sadi | Wild | Agri. Land | Abundant | | Available | Seeds/Plant | Mar-July | - | Own use | - |
| Lime | <i>Citrus aurantifolia</i> | Nimbu | Desi | Agri. Land | Available | | Abundant | Seeds/Plant | Nov-Dec | - | Own use/Market | - |
| Kainth | <i>Pirus serotina</i> | Kainth | Desi | Agri. Land | Abundant | | Available | Seeds/Plant | Mar-July | - | Own use | - |
| Aonla | <i>Phyllanthus emblica</i> | Amla | Wild | Agri. Land | Abundant | | Abundant | Seeds/Plant | Oct-Dec | - | Own use/Market | - |
| Pear | <i>Pyrus communis</i> | Naakh | Wild | Agri. Land | Abundant | | Abundant | Seeds/Plant | Mar-July | - | Own use | - |
| Banana | <i>Musa paradisiaca</i> | Kela | Desi | Agri. Land | Available | | Rare | Plants | July-Aug | - | Own use | - |
| Grapes | <i>Vitis vinifera</i> | Angoor | Desi | Agri. Land | Rare | | Rare | Plants | June-Sep | - | Own use | - |

Format 3: Fodder Crops /Species

| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 |
|---------|------------------------|------------|---------------------|--------------|-----------|--------------------------|---------------|---|-----------------------------|------------------------------|
| Plant | Scientific Name | Local Name | Landscape / Habitat | Local Status | | Source of Plants / Seeds | Associated TK | Part Used | Other details | Community / Knowledge holder |
| Sorghum | <i>Sorgum bicolour</i> | Jawar | warm climate crop | rare | rare | Agri Deptt | | whole plant | use as fodder and food | |
| Maize | <i>Zea mays</i> | | | | | | | | | |
| | <i>Maize</i> | Makki | Low land valley | available | available | Agri Deptt | | Green plants used as fodderseeds used as food | Plants used as fodder ,food | |

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

Format 4: Weeds

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 |
|-------|------------------------|------------|---------------|---|-------------------------------|--------------|---------|-------------|---|---------------|---------------|------------------------------|
| Plant | Scientific Name | Local Name | Affected crop | Impact | Landscape / Habitat | Local Status | | Uses if any | Management options | Associated TK | Other details | Community / Knowledge holder |
| | | | | | | Past | Present | | | | | |
| Shuma | <i>local</i> | shama | paddy | reduce production, affects growth of plants | like paddy tall and lke shrub | plenty | plenty | | weedicides | | | |
| Dhnb | <i>Cyndon dactylon</i> | dhoob | maize | supress germination of seedsemerging while germination | grow with maize crop | plenty | plenty | | pre-emerging application atrozine @ 1-1.25 kg per half of 50 % Wp | | | |

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc

Format 5: Pests of Crops

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------------------------|-----------------|--------------------------------|-----------------------|---------|-------------------------|----------------------|---------------|---------------|
| Host | Insect / Animal | Scientific name | Local name | Habitat | Time / season of attack | Management mechanism | Associated TK | Other details |
| Peach,Pear,Plum, Apricot | Insect | <i>Brachycaudus helichrysi</i> | Peach Leaf Curl Aphid | Soil | Winter season | Biological/Chemical | - | - |
| | Insect | <i>Eriosoma lenigerum</i> | Woolly Aphid | - | Feb-April | Biological/Chemical | - | - |
| Peach | Insect | <i>Myzus persicae</i> | Peach green Aphid | - | Feb-May | Biological/Chemical | - | - |
| Citrus | Insect | <i>Aonidiella auranti</i> | Red scale | Soil | All seasons | Biological/Chemical | - | - |
| | Insect | <i>Phyllocnistis citrella</i> | Leafminer | - | Mar-Nov | Biological/Chemical | - | - |
| | Insect | <i>Psorosticha zizyphi</i> | Leaf folder | - | April-Oct | Biological/Chemical | - | - |

Other details may include possible reasons for insects/animal attack

Format 6: Markets for Domesticated animals

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-------------------------------|---|----------------------------------|---|---|--|----------------------------------|----------------------|
| Name of the market & location | Weekly (D)/ Fortnightly (D) / Monthly (D) / Biannual (M) / Annual (M) | Types of animals bought and sold | 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 |
| no organised market in area | no organised culling | sheep | 2 sheeps 2 goats | from mandi and adjoining areas of block | Local ,and adjoining areas | -- | -- |
| 1)Ujj pull Mandli | | goat | | | | | |
| 2) Challa Ramkot | | | | | | | |

Note: [1] (D) – day; (M) – month;

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

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| |
| 9 |
| Source of fish |
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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 | Landscape management practices | Resource management practices | Cast | Social condition | Nature of inhabitants | No. of HHs |
| | | | | seasons of access | | | / tribe | | | |
| 3950 | agri | farming | agriculture | agriculture | farming | agriculture | SC | Normal | hilly | 609 |
| | animal rearing | farming | | | plantation | | ST | Poor | | |
| | labourer | farming | | | animal rearing | | OC | Normal | | |
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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 | Features and approx. Area | Ownership | General flora | General fauna | User groups | Management practices | General uses | Associated TK | Other details | Community accessed |
| Agricultural land | Pond | Fallow Land | | | | | | | | | | | |
| Cultivated Land | Not Applicable | Not Applicable | Cultivated Land | 276 Ha (Approx) | Agricultural Lands are Privately Owned | Crop Plants | Snakes,Jackel,Fox ,Dogs Etc | Nil | Nil | Nil | Used for raising crops and Fodder for animals | Nil | Low-Income Community |
| Non-Cultivated | Not Applicable | Not Applicable | Non-Cultivated | 184 Ha (Approx) | Govt./Private | Plants,Some wild Plants | Insects,Cows,Fox,Dogs etc | Nil | Nil | Nil | Used for rearing Cattles | Nil | Low-Income Community |
| Forest Land | Not Applicable | Not Applicable | Forest Land | 772 Ha (Approx) | Government | Wild Plants | Wild animals and Insects | Nil | Nil | Nil | Used for Grazing Purposes | Nil | Low-Income Community |

Note: The information Filled in by the Forest Deptt. is not exhaustive and the inputs from other concerned department may be incorporated for the detailed filled up of the PBR Formats.

Format 9: Waterscape

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|-------------------------|-----------|--|---------------------------|-------------------------|---|------------|-------------|----------------------|--|---------------|---------------|
| 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 |
| Nallas | Nil | Tributary of Khaad's | Panchayat and Govt.Deptt. | Wild and Aquatic Plants | Frog,Tadpoles,Toad,Crab,Fishes , Water Snake etc | Not used | Farmers | Small Check Dams | For Irrigation, Sand and Gravel are used for Construction of Buildings etc | Nil | Nil |
| Khaads | Nil | Originates from the foothills of Mountains | Govt. and Panchayat | Wild and Aquatic Plants | Frog,Tadpoles,Fishes, Water, Water Snakes,Crabs etc | Not used | Farmers | Check Dams | For Irrigation and Drinking of Domesticated animals and Wild Animals | Nil | Nil |

Note: The information Filled in by the Forest Deptt. is not exhaustive and the inputs from other concerned department may be incorporated for the detailed filled up of the PBR Formats.

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| 13 |
| Community accessed |
| Local Villagers |
| Local Villagers |
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Format 10: Soil type

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|------------|-----------------|---------------------|--|---|--|---------------|-------------------|
| Soil Type | Color & Texture | Features | Soil management | Plants / crop suitable | Flora and fauna | Associated TK | Other information |
| Loam Sandy | Greyish Brown | Frequent Irrigation | Recharged with tank bed silt,leafy manure,animal waste,composite | Wheat,Barley,Lantil,Mustard,Maize,and some Off-season vegetables | Fodder and Crop plants,Frog ,snakes,Jackel,Fox etc | Nil | Nil |
| Sandy Clay | Small Grained | Retains water | Recharged with tank bed silt,leafy manure,animal waste,composite | wheat,Barley,Lantil,Mustard,Maize, Beans and some Off-season vegetables | Fodder and Crop plants,Frog ,snakes,Jackel,Fox etc | Nil | Nil |

Format 11: Fruit Trees DOMESTICATED BIODIVERSITY

| 1 | 2 | 3 | 4 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 |
|--------------|----------------------------|-----------------|--------------------------------------|-----------------------|--------------|-----------|--------------------------|-----------------------|--------------|---------------|-----------------------------|----------------------------|
| Plant Type | Local Name | Scientific Name | Variety | Landscape/ Habitat | Local Status | | Source of plant/seeds | Season of Fruiting | Uses (usage) | Associated TK | Other details market/own | Community/ Know. holder |
| | | | | | Past | Present | | | | | use | |
| Walnut | <i>Juglans regia</i> | Akhrote | Local,Kagzi | Agri. Land | Available | Abundant | Seeds/Plant | Mar-July | - | | Own use/Market | |
| Apple | <i>Malus domestica</i> | Seb | Red Delicious,Golden Delicious | Agri. Land | Available | Rare | Plant | Mar-July | - | | Own use/Market | |
| Lime | <i>Citrus aurantifolia</i> | Nimbu | Kagzi | Agri. Land | Available | Abundant | Seeds/Plant | Nov-Dec | - | | Own use/Market | |
| Sweet Orange | <i>Citrus sinensis</i> | Mosami | Malta,Mosami | Agri. Land | Rare | Available | Seeds/Plant | Apr-Sep | - | | Own use/Market | |
| Aonla | <i>Phyllanthus emblica</i> | Amla | NA-7,Banarsi | Agri. Land | Abundant | Abundant | Seeds/Plant | Oct-Dec | - | | Own use/Market | |
| Peach | <i>Prunus persica</i> | Addu | Local,Shane punjab | Agri. Land | Abundant | Abundant | Seeds/Plant | Mar-July | - | | Own use/Market | |
| Pear | <i>Pyrus communis</i> | Bagugosha | Kashmiri nakh | Agri. Land | Abundant | Abundant | Seeds/Plant | Mar-July | - | | Own use/Market | |
| Plum | <i>Prunus domestica</i> | Alubokhara | Satluj | Agri. Land | Abundant | Abundant | Seeds/Plant | Mar-July | - | | Own use/Market | |

Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 |
|------------|---------------|----------------------------|---------|---------------------------------|-----------------------|--------------|----------|--------------------------|-------------|---------------|--------------------------|
| 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 |
| | | | | | | Past | Present | | | | |
| Herb | Brahmi Bhutti | <i>Centella asiatica</i> | | Lower shiwalik | Root | Rare | Rare | Medicinal Use | Leaf | N.A | Commercial/ Own |
| Herb | Guchi | <i>Morchella esculanta</i> | | Temperate area / Upper Shiwalik | Root | Abundant | Abundant | Medicinal and Edible use | Whole Plant | N.A | Commercial/ Own |
| Shrubs | Anardana | <i>Punica granatum</i> | | Sub-Tropical area | Seed | Rare | Rare | Edible | Fruit | N.A | Own |
| Shrubs | Rasound | <i>Berberis lycum</i> | | Temperate area / Upper Shiwalik | Seed | Abundant | Abundant | Medicinal Use | Roots | N.A | Commercial/ Own |
| Shrubs | Bareyan | <i>Acorus calamus</i> | | Sub-Tropical area | Seed | Rare | Rare | Medicinal Use | Roots | N.A | Commercial/ Own |
| Trees | Amla | <i>Phyllanthus emblica</i> | | Lower shiwalik | Seed | Rare | Rare | Medicinal and Edible use | Fruit | N.A | Own |

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 | | | | | |
| Buffalo | Bhains | <i>Bubalus bubalis</i> | Local /hybrid | Black in colour ,,,High fat milk... | domesticated | available | available | Milk and dung | nutrious and complete diet | frequent | high fat %age | self observer |
| Cow | Gaye | <i>Bos taurus</i> | Local /hybrid | High fertility and high milk | domesticated | available | available | Milk and dung | nutrious and complete diet | yes | | self observer |
| Ox | Bacl | <i>Bos taurus</i> | Local /hybrid | Ploughing & carriage | domesticated | available | available | ploghing & Carriage | | no | no | self observer |
| Dog | Kutta | <i>Canis lupus familiaris</i> | Local /hybrid | pet | domesticated | available | available | Guarding | | | no | self observer |
| Horse/Mule/Donkey | Ghoda /Khacher/ Khotta | <i>Equus caballu/ Equus asinus</i> × <i>Equus caballus/ Equus asinus</i> | Local /hybrid | | domesticated | available | available | Carriage /cart pulling | | no | no | self observer |
| Cat | Billi | <i>Felis catus</i> | LOCAl | pet | domesticated | less | less | | | | no | self observer |
| Poultry | Kukad | <i>Gallus gallus domesticus</i> | Local | Enriched meat flavour | backyard | abundant | decreased | Egg/meat | nil | no | Egg/meat | self observer |
| | Farmi Kukad | | Chabro | Good eagger | backyard | very few | increased | Egg/meat | nil | no | Egg/meat | self observer |
| | Broiler | | Hybrid | White in colour | Deep litter | very few | increased | only meat | nil | yes | only meat | self observer |

| | | | | | | | | | | | | |
|--------------------------------------|------|------------------------------|-------|--|--------------|----------|----------|--------------|--|-----|--|---------------|
| Pig | Suar | <i>Sus scrofa domesticus</i> | Local | | domesticated | very few | very few | meat purpose | | yes | | self observer |
| Uses includemilk,meat,skin,furandetc | | | | | | | | | | | | |

Format 16: Culture Fisheries

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

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| Community Know. Holders |
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| NA |
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Format 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc. WILD BIODIVERSITY

| 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 Tradinitional Knowledge | Other details | Community Knowledge Holder |
| | | | | | Past | Present | | | | | |
| Trees | Banj | <i>Quercus incana</i> | Trees | Temperate areas | Abundant | Abundant | Own | Leaves/Stem | N.A | N.A | Generally, held by community |
| Shrubs | Rasound | <i>Berberis lycum</i> | Shrubs | Temperate area / Upper Shiwalik | Abundant | Abundant | Commercial / own use | Root | used for medicinal purposes | N.A | Generally, held by community |
| Herbs | Kasrood | <i>Diplazium esculentum</i> | Herbs | Temperate area | Abundant | Abundant | Commercial / own use | Leaves | edible | N.A | Generally, held by community |
| Herbs | Saddar | <i>Urtica dioica</i> | Herbs | Temperate area | Abundant | Abundant | Commercial / own use | Leaves | used for medicinal purposes | N.A | Generally, held by community |
| Herbs | Muskwala | <i>Valeriana jatamansi</i> | Herbs | Temperate area | Rare | Rare | Commercial / own use | Root | N.A | N.A | Generally, held by community |
| Herbs | Guchi | <i>Morchella esculanta</i> | Herbs | Temperate area / Upper Shiwalik | Abundant | Abundant | Commercial / own use | Whole Part | Edible | N.A | Generally, held by community |

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 | Banj | <i>Quercus incana</i> | | economic/social | Abundant |
| 2 | Rasound | <i>Berberis lycum</i> | | economic/social | Abundant |
| 3 | Kasrood | <i>Diplazium esculentum</i> | | economic/social | Abundant |
| 4 | Saddar | <i>Urtica dioica</i> | | economic/social | Abundant |
| 5 | Muskwala | <i>Valeriana jatamansi</i> | | economic/social | Rare |
| 6 | Guchi | <i>Morchella esculanta</i> | | economic/social | Abundant |

Format 20: Aquatic Biodiversity

| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 |
|----------------|----------------------------------|---------|--|--------------------|--------------|----------|--------|---|---------------|------------------------------------|
| Local Name | Scientific Name | Variety | Features | Habitat | Local Status | | Uses | Associated TK | Other details | Community/ Knowledge Holder |
| | | | | | Past | Present | | | | |
| Daryayi Chaahl | <i>Oxygaster bacaila</i> | Fish | cutting abdomen | slow moving nullas | Abundant | Abundant | Edible | fishermen use them as bait for other big fishes | N.A. | Generally, held by Local Fisherman |
| Bootal | <i>Crossocheilus diplochilus</i> | Fish | Large snout | Rivers | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |
| Garoj | <i>Mastacembelus armatus</i> | Fish | Shy in nature, generally hidden under stones | Rivers | Abundant | Abundant | Edible | N.A. | N.A. | Generally, held by Local Fisherman |

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

Format 21: Wild Aquatic Plant Species of Importance

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|------------|------------------------------|---------|--------------------------------------|--------|
| Sl. No. | Local Name | Scientific Name | Variety | Importance | Trends |
| 1 | Waterhymes | <i>Hydrilla verticillata</i> | | Resistance to high salinity in water | |
| | | | | | |
| | | | | | |
| | | | | | |

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 | Kasrood | <i>Diplazium esculentum</i> | | Temperate area | Abundant | Abundant | N.A | Edible | Leaves | Commercial/Own | Generally, held by community |
| Herb | Saddar | <i>Urtica dioica</i> | | Temperate area | Abundant | Abundant | N.A | Medicinal Purpose | Leaves | Own | Generally, held by community |
| Herb | Dhoop | <i>Jurinea dolomiaea</i> | | Temperate area | Rare | Rare | N.A | religious purpose | Root | Commercial/Own | Generally, held by community |
| Herb | Muskwala | <i>Valeriana jatamansi</i> | | Temperate area | Rare | Rare | N.A | Medicinal Purpose | Root | Commercial/Own | Generally, held by community |
| Herb | Guchi | <i>Morchella esculanta</i> | | Temperate area / Upper Shivalik | Abundant | Abundant | N.A | Edible | Whole Part | Commercial/Own | Generally, held by community |

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

Format 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 |
| Jungli putna | <i>Mentha arvensis</i> | Pudina | Along the Nalla's | Abundance | Medicinal use | Leaf | Medicinal Properties | | Generally, held by community |
| | | | | | | | | | |
| Note: Other details may include 'function as a substitute plant' in the absence of a particular plant | | | | | | | | | |

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 |
| | | | | | | | |

| |
|------------------------------------|
| |
| 8 |
| Community/ Knowledge Holder |
| Generally, held by community |
| |
| |
| |

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 | | | | | |
| Mamamls | Chitra | <i>Panthera pardus</i> | Forest | - | Winter Season | - | - | - | - | - | - | Generally, held by community |
| Mamamls | Hill Fox (Lomari) | <i>Vulpes alopex montanu</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Mamamls | Red Flying Squirrel | <i>Pectaurista philippens</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | Jungle Crow | <i>Corvovs marcorhynchovs</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Birds | House Crow | <i>Corvovs splendens</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Reptiles | Cobra/Naag | <i>Naja naja</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Reptiles | Krait/Sanjuth | <i>Zamenies mucosus</i> | Forest | - | - | - | - | - | - | - | - | Generally, held by community |
| Ambhibian | Mendak/meenk | <i>Rana tigrina</i> | Pond/Land | Rainy Season | - | - | - | - | - | - | - | Generally, held by community |
| Ambhibian | Toad/Dadu | <i>Buff melanostictus</i> | Pond/Land | Rainy Season | - | - | - | - | - | - | - | Generally, held by community |

Format 29: FLORA URBAN BIODIVERSITY

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

| 1 | 2 | 3 | 4 | 5 | 6 |
|---------|------------|-----------------|--|---------|------------------------------|
| Sr. No. | Local Name | Scientific Name | Type of Animals (Mammals / Birds / Fish / Insect etc.) | Habitat | Remarks (Rare / Common etc.) |
| | | | | | |
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Separate formats should be used for roadside plantation-habitat/Parks and Gardens/Housing estate/
Commercial buildings/other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 31: Any other information of local importance

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