| People Biodiversity Register (PBR): General Details |
|--|
| Name of the Panchayat Samiti: Jaswan |
| Taluk: Marh |
| District: Jammu |
| State/UT: J&K |
| Geographical Area of the Panchayat Samiti: 476.36 Hectares |
| Population under the Panchayat Samiti: 3549 |
| Male: 1869 Female: 1680 |
| Habitat and Topography: Plain |
| Climate (Rainfall, Temperature and weather patterns): Sub Tropical Climate Zone/Irrigated Sub-Tropical Zone |
| Land Use (Nine fold classification available with village records): Agriculture + Vegetables + Animal Husbandry + Horticulture |
| Date, Month and Year of PBR Preparation: 27/10/2020 |
| Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed For |

Annexure 1

| Annexur | e I |
|---|------|
| Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six personaninated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST) | sons |
| 1) Name of the Chairperson: Narinder Singh | |
| Age: 50 Years | |
| Gender: Male | |
| Address: Jaswan | |
| Area of specialization: Social Worker and Sarpanch | |
| 2) Name: Champa Devi | |
| Age: 64 Years | |
| Gender: Female | |
| Address: Jaswan | |
| Area of specialization: Social Worker | |
| 3) Name: Neelam Devi | |
| Age: 60 Years | |
| Gender: Female | |
| Address: Jaswan | |
| Area of specialization: Social Worker | |
| 4) Name: Puran Chand | |
| Age: 46 Years | |
| Gender: Male | |
| Address: Jaswan | |
| Area of specialization: Social Worker | |
| 5) Name: Kuldeep Singh | |
| Age: 46 Years | |
| Gender: Male | |
| Address: Jaswan | |
| Area of specialization: Social Worker | |
| 6) Name: Ashok Kumar | |
| Age: 70 | |
| Gender: Male | |
| Address: Jaswan | |
| Area of Specialization: Social Worker | |
| 7) Name: Joginder Singh | |
| Age: 45 Years | |
| Gender: Male | |
| Address: Jaswan | |
| Area of specialization: Social Worker | |
| | |

Ann

| List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using biologic occurring within the jurisdiction of the village |
|---|
| 1) Name: Arjan Dass- 9419275010 |
| Age: 50 |
| Gender: Male |
| Address: Jaswan |
| Area of Specialization: Vaid |
| Location from which the person accesses biological material: |
| Perception of the practitioner on the resource status: |
| Medicinal use: |
| 2) 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: |
| 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: |
| |

| List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisl and foresty |
|--|
| 1) Name: Jagdish Lal |
| Age: 57 |
| Gender: Male |
| Address: Jaswan |
| Area of specialization: Progressive Farmer |
| 2) Name: Prabhu Dayal |
| Age: 55 |
| Gender: Male |
| Address: Jaswan |
| Area of specialization: Fisheries |
| 3) Name: Yashpal |
| Age: 55 |
| Gender: Male |
| Address: Jaswan |
| Area of specialization: Progressive Farmer |
| 4) Name: Shiv Ram |
| Age: 57 |
| Gender: Male |
| Address: Jaswan |
| Area of Specialization: Forestry |
| |

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

1) Contact Person:

Name and Address: Karam Singh - Agri. Dept.

2) Contact Person:

Name and Address: Bua Ditta- Education Dept.

3) Contact Person:

Name and Address: Tara Chand- Horticulture Dept.

4) Contact Person:

Name and Address: Dharam paul- Forest Dept.

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 material Acces | Name of the biological sed 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

| Format 1: C | Part II PBR – Formats AGROBIODIVERSITY mat 1: Crop Plants | | | | | | | | | | | | | |
|--------------|--|-------------|--|--|--------------|---|----------|--|--|---|---|----------|---|-------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Cron | Scientfic Name | Local Name | Description of the | Landscape / | Approx. Area | Loca | l status | Special features | Uses | Associated | Other details | Cropping | Source of Seeds | Commununity / Known. |
| Сгор | Scientific Name | Local Name | variety | Habitat | sown(ha) | Past | Present | Special features | Uses | ТК | Other details | Season | / Plants | / Known. Holder |
| | | | B-370(Fine & Long duration) | | | Abundant | Abundant | Basmati 370 is world wise known for its aroma | | Provides | | Kharif | Farmers / | |
| Rice | Oryza sativa | Dhan/ Munji | Basmati 1121/(Coarse K39 K434 Rattana & Long duration | Planes / Low laying Areas | | Abundant Abundant Medium tall Coarse Grains Food & Fodder taste | | - | (May to October) | Department/ Privaate Suppliers | Farmers | | | |
| Wheat | Triticum aestivum | 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/ Privaate Suppliers | Farmers |
| Onion | Allium cepa | Gamd | nasik Red. Red Coral, Monsanto And Local Spp. | local Planee areas | | Rare | Rare | Bulbs Cash Crop | Vegetab gles | Vegetable | Staple Vegetable food | Rabi | Farmers / Department/ Privaate Suppliers | |
| Mustard | Brassica juncea/ Brassica comprestris | 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/ Privaate Suppliers | Farmers |
| Gobhi Sarson | Brassica napus | 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,copp er,potassium | vegetable Oil extracted from seeds used in cooking | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Linseed | Linum usitatissimum | Alsi | LC 54 | Cool & dry | | Normal | Rare | Medium duration | Food & fiber | Source of energy in the shape of Oil | Medicinal,industri al & domestic use | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |

| Potato | Solamum tuberosum | Aalo | Kufri Sindhuri,Kufri Badsha, local | Potato is an herbaceous annual,requirs cool weather,mostly rainfed conditions | Abundant | Abundant | Tubers are round to ovoid, creamish white to light red in colour with shallow eyes | tubers are used as | - | High carbohydrate,provi de high n energy value | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
|--------------|----------------------------|---------|--|---|----------|----------|--|---|---|---|------------------------------------|---|---------|
| Toria | Brassica jrape cv.Toria | 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,copp er,potassium | vegetable Oil extracted from seeds used in cooking | Between Kharif & Rabi season | Farmers / Department/ Privaate Suppliers | Farmers |
| Sugarcane | Saccharum officinarum | 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 |
| Chilli | Capsicum spp | Mirchi | Pusa Jawala, CH-1 | Tropica/sub tropicall vegetable.grows well warm humid conditions | Normal | Rare | Pungency and flavor | Used as spice ,medician al value | _ | Contains good ammount of vitamin A&C | winter season | Farmers / Department/ Privaate Suppliers | Farmers |
| Tomato | Solanum lycopersicum | Tamater | Pusa rubi,Pusa early dwarf, Manisha Plus/local | Warm season crop | Abundant | Normal | Stems are woody and weak, and tend to vine over other types of plants. | Used as vegetable ,sala d, soup,Souce | | Tomatoes are also packed with vitamins A and C, calcium, potassium. | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Okra | Abelmoschus esculentus | Bindi | Varsha uphar, Arka Anamika | Tropica/sub tropicall vegetablHot and humid climate | Abundant | Abundant | Tender green fruit used as vegetable | Mainly vegetable | Source of Fiber | Contains dieta fibers,protein and carbohydratesry | Summer/ Kharif | Farmers / Department/ Privaate Suppliers | Farmers |
| Cucumber | Cucumis sativus | Kheera | Kheera local,JL | Grows in all climatoic conditions,Tropic al,Sub tropical &temprate | Abundant | Abundant | Limbing annual bearing elongated thick cylendrical fruit | Mainly used as salad | - | It also used asantipyretic and causing cooling effect | Summer/ Kharif | Farmers / Department/ Privaate Suppliers | Farmers |
| Bottle gourd | Lagenaria siceraria | Lokki | PSPL/Punjab Long | Summer &rainy season crop | Abundant | Abundant | Vines vigrous, profusly branched | Subzis, curries and gravies. | - | It also contains essential vitamins and minerals | Summer/ kharif | Farmers / Department/ Privaate Suppliers | Farmers |

| Bitter gourd | Momordica charantia | karela | Pusa Domausmi/Kundan | Warm and Humid climate | Normal | Normal | Herbaceous climbing annual with ridged stems | Vegetable and medicinal value | - | Used for maitaining low suger level | Summer/ kharif | Farmers / Department/ Privaate Suppliers | Farmers |
|--|---|-----------------|---|--|----------|----------|---|--|---|--|-------------------|---|---------|
| Beans | Phaseolus Spp. | Phaliya | Contender | Cool weather crop/Sandy/loam y soil | Abundant | Abundant | Tender green pods are used as vegetable | Mainly vegetable | Source of energy in the shape of Gur/Sugar | High vale protein,VitamineB 1,B2 <b6 and<br="">Maganese</b6> | Summer season | Farmers / Department/ Privaate Suppliers | Farmers |
| Cauliflower | Brassica oleracae var.botrytis | Fol gobi | Pusa snow ball,Pusa Katki,local Girja | Both sub tropical &intermediate | Abundant | Abundant | White and tender head ,curdformed from shortened flower part | Curd Mainly used as vegetable | - | Also good sourse of protein,carbohydra te,phasphorus& iron | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Cabbage | Brassica oleracae var.capitata | Band gobi | Golden Acre,Pride of India,Green Flesh | Both sub tropical &intermediate | Abundant | Abundant | Round head withlight to dark green colour | Head Mainly used as vegetable,salad | - | Also good sourse of protein,carbohydra te,phasphorus& iron | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Knol khol | Brassica oleracae var.gongyloides | Kadam | White vienna,Purple vienna | cool &moist climate/sub tropical | Abundant | Abundant | Swollen stem ,grren/purple with long and broad leaves | Swollen stem and leaves are consumed as vegetable | - | - | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Spanich | Beta vulgaris | 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/ Privaate Suppliers | Farmers |
| Radish | Raphanus sativus | 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 Vegetabke & Salad | - | Full of vitamin A, C, E, B6, potassium, and other minerals, | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Turnip | Brassica rapa | Gunglu /Shalgam | PTWG/Local | Cool &moist climate/sub tropical&interme dite | Abundant | Abundant | Modified Root is eatable | Root is used as Vegetable ,Sal ad,. | - | Good source of Vit.C,Diatry Fiber &Potasium | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |
| Exocitic Vegetables (Brocoli/ Chinese cabbage/ Capsicum etc) | Brassica oleracea var. italica/Brassica oleracea var. capitata/ Capsicum | | Prevelent Hybrid varieties | Cool &moist climate/sub tropical&interme dite | Rare | Normal | All Plants Carts and Fruits are eadable Ric Source of antioxidents | Salad and Vegetable | | Ric Source of Multivitimins, Minierals and Antioxidents | Rabi | Farmers / Department/ Privaate Suppliers | Farmers |

| Format-2 : 1 | Fruit Plants | | | | | | | | | | | |
|--------------|------------------------|---|-------------------------------------|--------------------------------|--------|---------|---------------------------------|---------------------|--------------------------------|-------|------------------------------|-------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 |
| Plant | Scientific Name | Local Name | Variety | Landscape | Local | Status | Source of Seeds / | Season of | Associated | Uses | Other Details markt / own | Community /Knowledge |
| Tiant | Scientific France | | variety | /Habitat | Past | Present | Plants | fruiting | ТК | 0.505 | use | Holder |
| Mango | Mangifera indica | Aam | Desi, Dusheri, Malta | Plains/Sub- Tropical Region | Plenty | Plenty | Nurseries | Jun-Aug | Fruit, Pickle, Preserves | | Marketing, Own Use | |
| Citrus Fruit | Citrus spp. | Khatti, Galgal, Nimbu, Santra, Kinnoo etc. | Local Selection, Kagzi Lime etc. | Plains/Sub- Tropical Region | Rare | Rare | Nurseries | Through Out Year | Fruit, Pickle, Squashes etc | | Marketing, Own Use | |
| Litchi | Litchi chinensis | Litchi | Culcatta, Dehradun | Plains/Sub- Tropical Region | Rare | Rare | Nurseries | Jul - Aug | Fruit | | Marketing | |
| Guava | Psidium guajava | Amrood | Local, L49 etc. | Plains/Sub- Tropical Region | Rare | Rare | Nurseries | Jul - Aug | Fruit | | Marketing, Own Use | |
| Grapes | Vitis vinifera | Anjoor | Local Dakh, Perlette | Plains/Sub- Tropical Region | Rare | Rare | Nurseries | Jul - Aug | Fruit | | Own Use | |
| Amla | Phyllanthus emblica | Ambla | Local Selection, NA-7 | Plains/Sub- Tropical Region | Normal | Normal | Nurseries, Local Collections | Nov Dec | Pickling Preserve etc | | Marketing, Own Use | |
| Jamun | Syzygium cumini | Jamun | Local Selection | Plains/Sub- Tropical Region | Plenty | Plenty | Nurseries, Local Raised | Jul - Aug | Fruit | | Marketing, Own Use | |
| Pear | Pyrus spp. | Nakh | Pathar Nakh, China Pear | Plains/Sub- Tropical Region | Rare | Rare | Nurseries | Aug - Sep | Fruit | | Marketing, Own Use | |
| Peach | Prunus persica | Aaroo | July Elberta, Quetta | Plains/Sub- Tropical Region | Rare | Rare | Nurseries | Jun - Jul | Fruit | | Marketing, Own Use | |
| Papaya | Carica papaya | Papita | Local | Plains/Sub- Tropical Region | Rare | Rare | Nurseries, Localy Raised | Aug - Oct | Fruit | | Own Use | |

| Format 3 | -Fodder Cr | ops / Species | | | | | | | | | | | |
|----------|------------|--------------------------|-------------|--------|-----------------------|--------------------------------|--------------|----------|-------------------------------|---|--------------------------|--------------------------------------|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | ٤ | 3 | 9 | 10 | 11 | 12 | 13 |
| S. No. | Plant | Scientific Name | Local Name | Habit | Area (Approx)Babi/ | prox.)Rabi/ Landscape/ | Local Status | | Part Used | Associated TK | Other details(mode of | | Community Kn. |
| 5.110. | Tiant | Scientific Paine | Local Walle | Habit | Kharif | Habitat | Past | Present | Part Used | | use) | and Plants | Holders |
| 1 | Barseem | Trifolium alexandrium | Chhatala | Annual | 8030 | Sub Humid & moderately cool | Abundant | Abundant | Entire Plant | Nutritious & palatable fodder, Source of energy for animals | Fodder | Farmers / Department/ Privaate | Farmers |
| 2 | Oats | Avena spp. | Javi | Annual | | Cool & moist climate | Abundant | Abundant | Above ground part of plant | Nutritious & palatable fodder, | Fodder | Suppliers | Farmers |
| 3 | Sorghum | Sorghum spp. | cherri | Annual | 6840 | Warm & humid | Abundant | Abundant | Above ground part of plant | Source of energy | Fodder | Farmers / Department/ | Farmers |
| 4 | Maize | Zea mays | Makki | Annual | 0840 | Warm & humid | Abundant | Abundant | Above ground part of plant | Source of energy | Food & fodder | Privaate Suppliers | Farmers |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | Format- | 4 : Weeds | | | | | | |
|--------|-----------------|-----------------------------|----------------------------------|---|-----------------------------------|---------------------------|-----------|----------|---------------------------------|--------------------------------------|--|---|---------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 3 | 9 | 10 | 11 | 12 | 13 |
| | | | | | H 14 | Landscape/ | Local | Status | II is | Management | | Other details | Community Kn. |
| S. No. | Plant | Scientific Name | Local Name | Affected Crop | Habit | Habitat | Past | Present | Uses if any | options | Associated TK | | Holders |
| 1 | Barnyard Grass | Echinochloa crusgalli | Swank | Paddy | Annual | Agri. Land | Abundant | Abundant | Fodder & Animals | Physical, Mechanical, Chemical | Nil | Nil | Farmers |
| 2 | Carrot grass | Parthenium hysterophorus | Congress Grass | Gardens & sugarcane ratoon crops & other crops | Annual | Agri. Land | Abundant | Abundant | Nil | Physical, Mechanical, Chemical | Abnoxious weed difficult to manage | | Farmers |
| 3 | Lamb's quarters | Chenopodium album | Bathua/ Kanah/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 , Phosporous & potash | Annual feed & fermentation of Beverages | Farmers |
| 4 | Nut Grass | Cyprus rotundus | Dilla/Motha | Paddy,maize,sug arcane,vegetable | Perennial | Agri. & Non Agri. Land | Abundant | Abundant | Fodder & Animals | Physical, Mechanical, Chemical | Nil | Tradionally used as medicine | Farmers |
| 5 | Bur Clover | Medicago denticulata | Maina | Wheat Grass Peas | Perennial herbaceous legume | Agri. Land | Normal | Normal | Fodder,vegetable & green manure | Mechanical, Chemical | Nil | Improves Soil fertility | Farmers |
| 6 | Canary Grass | Phalaris minor | Sitti/gilli danda | Wheat Grass Peas, mustard | annual | Agri. Land | Abundant | Abundant | Fodder & forage | Mechanical, Chemical | Source for High quality protein | Agri. Land | Farmers |
| 7 | Meadow Pea | Lathyrus aphaca | Matri | Wheat Grass Peas, mustard | annual | Agri. Land | Normal | Normal | Fodder | Mechanical, Chemical | Nil | Agri. Land | Farmers |
| 8 | Canada Thistle | Cirsuim arvense | Leh | Wheat gram, Barley | Perennial | Agri. & wasteLand | Normal | Normal | | Mechanical, Chemical | Nil | Agri. Land | Farmers |

| 9 | Bang | Cannabis indica | Bang | Kharif Crops | Perennial | Agri. & wasteLand | Normal | Normal | | Mechanical, Chemical | Nil | Agri. Land | Farmers |
|----|-----------|---------------------|-------------|--------------|-------------|----------------------|--------|--------|--------|-------------------------|-----|---------------------------------|---------|
| 10 | Nilibuti | Ageratum conyzoides | Nilibuti | Rabi Crops | Perennial | Agri. & wasteLand | Normal | Normal | | Mechanical, Chemical | Nil | Agri. & wasteLand | Farmers |
| 11 | Wild oats | Avena fatua | Jangli Javi | Oats | Annual herb | Sub Tropical | Rare | Rare | Fodder | Above ground parts | - | Nutrative Fodder for Animals | Farmers |
| 12 | Wild Rice | Echinochloa colonum | Swanki | Paddy | Annual herb | Sub Tropical | Rare | Rare | Fodder | Above ground parts | - | Nutrative Fodder for Animals | Farmers |

| Format- | 5: Pests of Crop | S | | | | | | | | |
|---------|---------------------|--|------------------------|-------------------|--|-----------------------|---|---------------|---|--------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| S. No. | Insect /Animal | Scientific Name | Local Name | Habit | Habitat | Time/Season of Attack | Management Mechanism | Associated TK | Other details | Community Kn. Holders |
| 1 | Red Pumpkin Beetle | Raphidopalpa foveicellis | Lal Kaddu Beetle | Chewing & bitting | Cucurbits | March-Oct | Chemical measures | _ | Most common in fields of Cucurbits | Farmers |
| 2 | Cucurbits fruit fly | Bactrocera cucurbitae | Melon fly | Chewing & bitting | Attacks Pumpkin, cucumber & gourds | Throughout the year | Mechanical & Chemical, Pheronon trap | - | Danger to all cucumber crops | Farmers |
| 3 | Maize stem Borer | Chilo partellus | Sundi /Tana- shedak | Chewing & bitting | Attacks Maize, sorghum , Bajra & sugarcane | July to sept | Mechanical& Chemical measures | - | Causes dead hearts in young plants | Farmers |
| 4 | Mustard aphid | Lipaphis erysimi | Aphid | Sucking pest | Attacks mustard & other cucurbit crops | Dec-March | Timely sowing of crop & Chemical, Biological & Mechanical | - | Major threat to oil seed crops of Rabi | Farmers |
| 5 | Termite | Microtermis obesi/ Odontoremes obesus | Telle | Chewing & bitting | Wheat & other crops | Nov-May | Cultural & Chemical measures | - | Major threat to unirrigated crops | Farmers |
| 6 | Blister beetle | Mylabris spp. | Ghori | Chewing & bitting | Attacks Maize, Bhindi & Pulses | June-Oct | Mechanical& Chemical measures | - | Insectivorous feed on grasshopper | Farmers |
| 7 | Cereal leaf Beetle | Oulma melanopus | Nil | Chewing & bitting | Attacks Maize | Aug-Sep | Chemical measures | - | Most recent occurrence | Farmers |

| 8 | Grasshopper | Hygro blasses Negro / Hieroglyphus nigropletus | Tidi | Maize and Paddy | Maize, Paddy, Jojr Bajra | July to sept | Mechanical& Chemical measures | - | Eats leaves | Farmers |
|----|----------------|--|--------------------------------|---|--------------------------------------|---------------------|----------------------------------|---|---|---------|
| 9 | Rice Gandi Bug | Leptocorzia varcornis | Gandi Bug | Paddy | Paddy at miliking stage | July to Oct. | Mechanical& Chemical measures | - | Pierce the grains at miliking stage | Farmers |
| 10 | Army worm | Spodoptera Frugiperda | Caterpiller | All Crops | Defoliaties Major crops | Through the year | Mechanical& Chemical measures | - | Defoliates all crops | Farmers |
| 11 | Leaf Floder | Cnaphalocrocis meddialis | Ctter Pillers | Feeds on leavs abd stem | Attacts on Paddy Leaves | June to Oct. | Mechanical& Chemical measures | - | Major threats | Farmers |
| 12 | Stem Borer | Tryporza incrtules | Tana shedat/ Catter pillers | Bores into stem results into dead heart | Crops Plants | June to Oct. | Mechanical& Chemical measures | - | Major threats | Farmers |
| 13 | Cut worm | Agrotis ipsilon | Ludi | Cuts stem and leaves | Wheat sorguham maize and other | Throughout the year | Mechanical& Chemical measures | - | Major threats | Farmers |
| 14 | White Fly | Aleyrodidae | Nil | Suks the shap of plants | Sobin Bhindi and all pulses crops | April to Oct. | Chemical measures | - | Major threats | Farmers |
| 15 | Field rats | Ratus meltada | Chouha | Nocturnal in habit | Attacks all crops | Throughout the year | Mechanical& Chemical measures | - | Lives in burrows opening hidden in bushes | Farmers |

| Format 6: Mar | kets for Domesticated | animals | | | | | | |
|----------------------------------|--|--|---|--|--|-------------------------------------|-------------------------|----------------|
| 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 |
| | THERE IS NO | ORGANISED MARK | ET IN THE MUNICIPALIT | Y FOR ANY OF THE S | PECIES OF ANIMALS LIST | TED IN FORMAT 15 | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Note: [1] (D) – day; (M) – month; [2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

| ormat 7: Peoj | plescape | | | | | | | | | |
|---------------------------|--|--------------------|------------------------|--|--|---|-------------------------|---------------------|--------------------------|------------|
| 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 |
| 3549 | Farming, Agriculture, Horticulture | Nil | Agricultural | Wheat (Winters), Rice (Summer) | Mulching, Watering, Staking, Fertilization, Weed Control | Stripped Cropping, Grassed Waterways | GENERAL, SC, ST, OBC | Middle Class | Permanent Settlers | 769 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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

| | 1 | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---------------------------------------|-------------|----------------|-----------------------|-----------------|----------------|-----------------------------------|---------------------------|------------------|---|------------------|--------------------------|--------------------|---------------------------|
| Major | Landsca | pes | Sub - | Features and | 0 | | General | | Management | | | Other | Community |
| Agricultural Pond Fallow land land | | Fallow land | Landscapes | approx. area | Ownership | General flora | fauna | User groups | practices | General uses | Associated TK | details | accessed |
| Cultivated | | | Cultivated | Fertile Land | Private | Trees, Plants, Herbs, Shrubs | Rodents, Insects | Villagers/Locals | Crop Rotation, Terracing | Cultivation | Used for Farming | Nil | Low Income Communities |
| Non- Cu | ıltivated I | Land | Non-Irrigated Land | Less Fertile | Govt./ Private | Marshy/Swampy Plants | Insects and Amphibians | Villagers/Locals | Crop Rotation, Terracing | Cultivation | Available for Farming | Nil | Low Income Communities |
| Irriga | ated Land | 1 | Irrigated Land | Fertile Land | Private Land | Rice, Vegetables, Flowers etc. | Amphibians, Insects | Zamindars | Canals, Channel, Khuls, Distributories etc. | Crop cultivation | Available for Farming | Nil | Every Community |
| Grazing Land | | Non-Cultivated | Lush Grteen | Govt. Land | Plants/Herbs | Rodents, Insects | Villagers/Locals | Nil | Animal Grazing | NA | Nil | Every Community | |
| | | | | | | | | | | | | | |

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

| Format-9: W | aterscape | | | | | | | | | | | |
|-------------|-----------|------------------------------|--------------------|---------------|-----------------------------------|--|------------|-------------------------|--------------|------------------|---------------|-----------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Waterscape | Sub-type | Features and Approx. area | Ownership | General flora | Genreal fauna | Major Uses | User group | Management practices | General uses | Assocaited TK | Other details | Community accessed |
| Tube well | Nil | Nil | State Land | Nil | Nil | Drinking | Public | Nil | | | | |
| Canals | Khuls | Irrigational Khulls | Private | NIL | Frogs, snail, Tadpoles, Snakes | Cattles, washing cloths, irrigation, etc | Public | NIL | | | | |
| Hand pumps | NIL | NIL | Private/State Land | NIL | NIL | Washing cloths, Drinking etc | Public | NIL | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Format-10: So | oil Type | | | | | | |
|-----------------|---|-------------------------------|-----------------|---|-----------------|---------------|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Soil Type | Color & Texture | Features | Soil Management | Plants / crop suitable | Flora and Fauna | Associated TK | Other information |
| Sandy loam | Moderately course Sand-65%, Silt-20%, Clay-15% | N-low, P-medium, K- medium | NA | Wheat, Maize, Pulses, Vegetables and Fruits such, Potatoes, Cucumber, Beans, Spinach, Tomatoes, Carrots, Watermelons, Radishes | Both | NA | Organic carbon 0.35-0.44 (low) Grittyleaves smear on hand, does not ribbonbreaks into small pieces |
| Loamy Sand | Coarse to very coarse Sand-82%, Silt-10%, Clay-8% | N-low, P-medium, K- high | NA | Wheat, Maize, Millets, Pulses, Vegetables and Fruits such as Potatoes, Cucumber, Beans, Spinach, Tomatoes, Carrots, Watermelon, Radishes | Both | NA | Organic carbon 0.45-0.55 (low) Grittydoes not ribbon or leave a stained smear on hand |
| Clay Loam | Moderately fine Sand-34%, Clay-33%, Silt-33% | N-low, P-medium, K- medium | NA | Paddy, Wheat, Maize, Pulses, Oil seeds, Sugarcane Cruciferous vegetables such as broccoli and cabbage and other vegetables and Fruits such as tomatoes, green beans, cucumbers, Onions, Cauliflower, Potatoes, Peas, Beans, Carrots, Pumpkins, Radishes. | Both | NA | Organic carbon 0.40-0.50 (low) Forms ribbon; clays form longer ribbons tha clay loams. Clay loam feels gritty |
| Silty clay loam | Moderately fine Silt-52%, Clay-35%, Sand-13% | N-low, P-medium, K- medium | NA | Paddy, Wheat, Maize, Pulses, Oil seeds, Sugarcane Cruciferous vegetables such as broccoli and cabbage and other vegetables and Fruits such as tomatoes, green beans, cucumbers, Onions, Cauliflower, Potatoes, Peas, Beans, Carrots, Pumpkins, Radishes | Both | NA | Organic carbon 0.42-0.50 (low) Forms ribbon; clays form longer ribbons than clay loams |

| Format 11: Fr | uit Trees | | | | | | | | | | | |
|---------------|------------------------------------|---------------------|---|-------------------------------|--------|---------|------------------------------|--------------------|---------------|---------------------------------|-----------------------|-------------------------|
| 1 | 2 | 3 | 4 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Plant | Local Name | Scientific Name | Variety | Landscape /Habitat | Local | Status | Source of Seeds / | Season of | Associated TK | Uses | Other Details | Community /Knowledge |
| | | | | ····· | Past | Present | Plants | fruiting | | | markt / own use | Holder |
| Mango | Aam | Mangifera indica | Desi, Dushari , Malta | Plains/Sub-Tropical Region | Plenty | Plenty | Nurseries | June- August | | Fruit,Picking, Preserves | Marketing, own use | |
| Citrus Fruits | Khatti, Mosambi, santra, Nimbu, | Citrus spp | Local,Kagzi lime, Italian limeHill lemon etc | Plains/Sub-Tropical Region | Normal | Normal | Nurseries | throughout year | | Fruit, picking Squashes etc. | Marketing, own use | |
| Litchi | Litchi | Litchi chinensis | Calcutta Dehradun | Plains/Sub-Tropical Region | Rare | Rare | Nurseries | June- August | | fruit | Marketing | |
| Guava | Amrood | Psidium guajava | Local, Allahabadi, Safaida | Plains/Sub-Tropical Region | Rare | Rare | Nurseries | June- August | | fruit | Marketing, own use | |
| Grapes | Angoor | Vitis vinifera | Local Dakh perlette | Plains/Sub-Tropical Region | Rare | Rare | Nurseries | June- August | | fruit | Own Use | |
| Amla | Ambla | Phyllanthus emblica | local selection NA-7 | Plains/Sub-Tropical Region | Normal | Normal | Nurseries local collection | Nov- Dec. | | picking, fruit juices | Marketing, own use | |
| Jamun | Jamun | Syzygium cumini | local selection | Plains/Sub-Tropical Region | rare | rare | Nurseries, local raised | July- August | | fruit | Marketing, Own use | |
| pear | Nakh | Pyrus app | Patharmakh, china pear | Plains/Sub-Tropical Region | rare | rare | Nurseries | August-Sept | | fruit | Own use | |
| Peach | Aaroo | Prunus persica | July Elberta, quetta | Plains/Sub-Tropical Region | rare | plenty | Nurseries | June-July | | fruit | Marketing, own use | |
| Papaya | Papita | Carica papaya | local | Plains/Sub-Tropical Region | rare | plenty | Nurseries, locally raised | August- October | | fruit | own use | |

| Format 12: N | Aedicinal Pla | nts (Herbs, Shrubs, T | Trees etc.) | | | | | | | | | |
|--------------|---------------|---------------------------|-------------|-------------------------------|-------------------|----------|-------------|-----------|--------------|---------------|-------------------|------------------------------|
| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | | | Local | Status | Source of | Season of | | | Other details | Community/ Know. |
| Plant Type | Local Name | Scientific Name | Variety | Landscape/ Habitat | Past | Present | plant/seeds | Fruiting | Uses (usage) | Associated TK | market/own use | holder |
| Herbs | Tarad | Dioscorea belophylla | | Lower shiwalik | Normal | Normal | Seed | | | N.A | N.A | Generally, held by community |
| Herbs | Jungli putna | Mentha arvensis | | Lower shiwalik/Temperate area | Normal | Normal | Root | | | N.A | N.A | Generally, held by community |
| Shrubs | brankad | Adhatoda vesica | | Lower shiwalik | Abundant | Normal | Seed | | | N.A | N.A | Generally, held by community |
| Shrubs | Drainkdu | Murraya koenigii | | Sub-Tropical area | Rare | Normal | Seed | | | N.A | N.A | Generally, held by community |
| Shrubs | Dussa | Colebrookia oppositifolia | | Lower shiwalik | Rare | Rare | Seed | | | N.A | N.A | Generally, held by community |
| Shrubs | Thor/Shuu | Euphorbia royleana | | Lower shiwalik | Normal | Normal | Seed | | | N.A | N.A | Generally, held by community |
| Shrubs | Bhang | Canabis sativa | | Lower shiwalik | Abundant | Abundant | Seed | | | N.A | N.A | Generally, held by community |
| Tree | Amla | Phyllanthus emblica | | Lower shiwalik | Normal | Normal | Seed | | | N.A | N.A | Generally, held by community |
| Tree | Bair | Ziziphus xylocarpa | | Lower shiwalik | Normal | Normal | Seed | | | N.A | N.A | Generally, held by community |
| Tree | Bill-Patre | Aegle mermelos | | Sub-Tropical area | Rare Rare | | Seed | | | N.A | N.A | Generally, held by community |
| Tree | Drankh | Melia azedarach | | Lower shiwalik | Abundant Abundant | | Seed | | | N.A | N.A | Generally, held by community |
| Tree | Harad | Terminalia chebula | | Lower shiwalik | Normal Normal | | Seed | | | N.A | N.A | Generally, held by community |

| Tree | Jaman | Syzygium cumini | Lower shiwalik | Abundant | Abundant | Seed | | N.A | N.A | Generally, held by community |
|--------|--------|---------------------|----------------|----------|----------|------|--|-----|-----|------------------------------|
| Tree | Lusada | Cordia dichotoma | Lower shiwalik | Normal | Normal | Seed | | N.A | N.A | Generally, held by community |
| Tree | Mangoo | Mangifera indica | Lower shiwalik | Abundant | Abundant | Seed | | N.A | N.A | Generally, held by community |
| Tree | Retha | Sapindus mukorossii | Lower shiwalik | Rare | Rare | Seed | | N.A | N.A | Generally, held by community |
| Tree | Rumbal | Ficus racemosa | Lower shiwalik | Rare | Rare | Seed | | N.A | N.A | Generally, held by community |
| Tree | Sree | Albizzia lebbeck | Lower shiwalik | Normal | Normal | Seed | | N.A | N.A | Generally, held by community |
| Tree | Talli | Dalbergia sissoo | Lower shiwalik | Normal | Normal | Seed | | N.A | N.A | Generally, held by community |
| Tree | Tuni | Toona ciliata | Lower shiwalik | Normal | Normal | Seed | | N.A | N.A | Generally, held by community |
| Tree | Arjun | Terminalia arjuna | Lower shiwalik | Rare | Rare | Seed | | N.A | N.A | Generally, held by community |
| Tree | Amla | Phyllanthus emblica | Lower shiwalik | Normal | Normal | Seed | | N.A | N.A | Generally, held by community |
| Tree | Neem | Azadirachta indica | Lower shiwalik | Normal | Normal | Seed | | N.A | N.A | Generally, held by community |
| Shrubs | Bhang | Cannabis sativa | Lower shiwalik | Abundant | Abundant | Seed | | N.A | N.A | Generally, held by community |
| | | | | | | | | | | |
| | | | | | | | | | | |

| Format 13: Or | rnamental Plan | ts/ Trees/Climbe | rs etc. | | | | | | |
|---------------|----------------|------------------|---------|--------------------------|--------------------------------|------|---------------|---------------|-------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Plant Type | Local name | Scientific name | Variety | Source of plant/seeds | Commercial/ non- commercial | Uses | Associated TK | Other details | Community/ Know. holder |
| | | | | | | | | | |
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| Format 14: 7 | Fimber Plants | / Trees | | | | | | | | |
|--------------|---------------|--------------------|----------------|----------|----------|-----------------------|------------|----------------|---------------|------------------------------|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 |
| Plant Type | Local Name | Scientific Name | Habitat | Local | status | Wild/ home- | Other uses | Associated TK | Other details | Community/ Know. holder |
| Flant Type | Local Mame | Scientific Name | nabitat | Past | Present | garden | (multi) | Associated 1 K | Other details | Community/ Know. noider |
| Tree | Kiker | Vachellia nilotica | Lower shiwalik | Rare | Rare | Wild | Own | Nil | Nil | Generally, held by community |
| Tree | Mangoo | Mangifera indica | Lower shiwalik | Abundant | Abundant | Wild/ home- garden | Own | Nil | Nil | Generally, held by community |
| Tree | Safeda | Eucalyptus spp. | Lower shiwalik | Rare | Abundant | Wild | Commercial | Nil | Nil | Generally, held by community |
| Tree | Sree | Albizzia lebbeck | Lower shiwalik | Abundant | Abundant | Wild | Own | Nil | Nil | Generally, held by community |
| Tree | Talli | Dalbergia sissoo | Lower shiwalik | Abundant | Abundant | Wild | Own | Nil | Nil | Generally, held by community |
| Tree | Tuni | Toona ciliata | Lower shiwalik | Abundant | Abundant | Wild | Own | Nil | Nil | Generally, held by community |
| Tree | Popular | Populus ciliata | Lower shiwalik | Rare | Abundant | Wild | Own | Nil | Nil | Generally, held by community |
| Tree | Jammun | Syzygium cumini | Lower shiwalik | Rare | Abundant | Wild | Own | Nil | Nil | Generally, held by community |
| | | | | | | | | | | |

| Format | 15: Dome | sticated Anima | als | | | | | | | | | |
|---------|-----------------|-------------------|----------------|--|-----------------------------------|----------|--------------|------------|---------------|------------|--------------------------|--------------|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | | 9 | 10 | 11 | 12 |
| Animal | Local | Scientific Name | Breed (local/ | Features | Method of keeping | Local | Local Status | | Associated TK | Commercial | Other details including | Community |
| Туре | Name | Scientific Ivanie | hybrid) | reatures | Method of keeping | Past | Present | Uses | Associated TK | rearing | products and Services | Know.Holders |
| | Gau | Bos indicus | ND | Low yield | stall feeding | Abundant | Decrease | Dairy | Nil | No | Milk | All |
| Cattle | Jersy Gau | Bos taurus | CB Jersy | Dished face | stall feeding / semi intensive | Very few | Increase | Dairy | Nil | yes | Milk | All |
| | Amrecan Gau | Bos taurus | CB HF | Black and white spot | stall feeding / semi intensive | Very few | Increased | Dairy | Nil | Yes | Milk | All |
| | Manj | Bubalus bubalis | Local | Low yield | stall feeding | Abundant | Decreased | Dairy | Nil | No | Milk | All |
| Buffalo | Punjabi Mais | Bubalus bubalis | Murrah /Graded | Black color body | stall feeding / semi intensive | Very few | Increased | Dairy | Nil | Yes | Milk | All |
| Horse | ghoda | Equus caballus | Local | Red color body | Backyard | Abundant | Decrease | Pack/ Cart | Nil | No | Pack/ Cart | All |
| | Parrot | Psittaciformes | Local | parrot green in colour with red beak | Backyard | few | Decrease | decorative | Nil | No | Nil | All |
| | Pigeon | Columbidae | Local | white color , fast growing | Backyard | few | Decrease | decorative | Nil | No | nil | All |

| Dog | Kutta | Canis familaries | Local | Nil | Pet ,Stray | Abundant | Abundant | Nil | Nil | No | Nil | All / stray |
|-----|-------|------------------|-------|-------------------|------------|----------|----------|-----|-----|----|-----|-------------|
| Cat | Billi | Felis catus | Local | Grey /white color | Pet ,Stray | Abundant | Abundant | pet | Nil | No | Nil | All / stray |

| Format 10 | Format 16: Culture Fisheries | | | | | | | | | | | | | |
|------------|--|------------|----------|----------|------------------------|-------|----------|------|---------------|------------|---------------|-----------------|--|--|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 | 12 | | |
| Fish Turns | Local Name | Scientific | Variates | Fasteres | Waterscape | Local | l status | Uses | Associated TK | Commercial | Other details | Community Know. | | |
| Fish Type | Local Name | Name | Variety | Features | (Pond/Bheri/T alao) | Past | Present | Uses | Associated TK | Rearing | Other details | Holders | | |
| | There is no culture Fisheries taken up in this panchayat | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc

| 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 |
| | | | | | | | | |
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| Format 18 | : Trees, Shru | ıbs, Herbs, Tubers, | Grasses, C | Climbers etc. | | | | | | | |
|------------|---------------|------------------------|------------|-----------------------|--------------|---------------------|-------------------------|---------------------|-----------------|------------------|----------------------------------|
| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | 11 |
| Plant Type | Local Name | Scientific Name | Habit | Habitat | Loca Past | l status Present | Commercial / own use | Part collected | Associated TK | Other details | Community Knowledge Holder |
| Tree | Amla | Phyllanthus emblica | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | Food processing | - | - |
| Tree | Siris | Albizziz lebbeck | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Simbal | Bombax cebia | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Kamila | Mallotus philippensis | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Ber | Ziziphus jujuba | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | - | - | - |
| Tree | Jamun | Syzygium cumini | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Santha | Dodonaea viscosa | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Amb | Mangifera indica | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | - | - | - |
| Tree | Kiker | Acacia nilotica | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Sagwan | Tectona grandis | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Safeda | Eucalyptus | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - | - |
| Tree | Bel | Aegle marmelos | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Leaves/ Fruit | - | - | - |
| Tree | kakoa | Flacourtia indica | Tree | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | - | - | - |
| Grass | Bamboo | Dendrocalamus strictus | Grass | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Sticks | - | - | - |

| Herbs | Bhang | Cannabis sativa | herbs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Leaves | - | - | - |
|---------|------------------------|-----------------------------|---------|-----------------------|------|----------|------------------------|--------|---|---|---|
| Shrub | Jojra | Pupalia lappacea | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | _ | - | - | - |
| Shrub | Garna | Carissa spinarum | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | - | - | - |
| Shrub | Panjphuli | Lantana camara | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | _ | - | - | - |
| Shrub | Gandila | Nerium indicum | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Flower | - | - | - |
| Shrub | Pansar | Wendlandia heynei | Shrubs | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | _ | - | - | - |
| Herbs | congress Grass | Parthenium hysterophrous | herbs | Northern/Sub-Tropical | Good | Moderate | _ | _ | - | - | - |
| Tree | Badh | Ficus religiosa | Tree | Northern/Sub-Tropical | Good | Moderate | _ | | - | - | - |
| Climber | Tarad | Dioscorea belophylla | Climber | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Roots | | | |
| Climber | Jungli bitter melon | Momordica charantia | Climber | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Fruit | | | |
| Climber | Purple yam | Dioscorea alata | Climber | Northern/Sub-Tropical | Good | Moderate | _ | | | | |
| Climber | Striped cucumber | Diplocyclos palmatus | Climber | Northern/Sub-Tropical | Good | Moderate | _ | | | | |

| Format 19 |): Wild Plant Species of In | nportance | | | |
|-----------|-----------------------------|-----------------|---------|--|--------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| S.No. | Local Name | Scientific Name | Variety | Importance (economic,social,cultural etc.) | Status |
| 1 | Daduni | Punica grantum | Shrub | Live Hedge fencing | Good |
| 2 | Brenker | Adhatoda vasica | Shrub | - | Good |
| 3 | Bhang | Cannabis sativa | Shrub | Medicinal | Good |
| 4 | Aakh | Ipomea carnea | Shrub | Soil binder | Good |
| | | | | | |
| | | | | | |

| Format 20: A | Format 20: Aquatic Biodiversity | | | | | | | | | | | |
|---------------|---------------------------------|----------|---|---------|------|----------|------|---------------|---------------|------------------------|--|--|
| 1 | 2 | 3 | 4 | 5 | | 6 | 7 | 8 | 9 | 10 | | |
| Local name | Scientific name | Variety | Features | Habitat | Loca | l Status | Uses | Associated TK | Other details | Community knowledge | | |
| | Section frame | v and ty | i catures | | Past | Present | | | | holder | | |
| Snail | Gastropoda | | Land snails have a strong muscular foot, they use mucus to enable them to crawl over rough surfaces and to keep their soft bodies from drying out. | | Good | Good | - | - | - | | | |
| Water Spinach | Ipomoea aquaticum | | It contains abudnat quantities of water, iron, vitaminC, Vitamin A and other nutrients | | Good | Good | - | - | - | | | |
| Watercress | Nasturtium officinale | | It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones | | Good | Good | - | - | - | | | |

| Format 2 | 21: Wild Aquatic Plan | t Species of Importan | ce | | |
|----------|-----------------------|-----------------------|---------|--|--------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| S.No. | Local Name | Scientific Name | Variety | Importance (economic,social,cultural etc.) | Trends |
| 1 | Water Spinach | Ipomoea aquaticum | - | It contains abudnat quantities of water, iron, vitaminC, Vitamin A and other nutrients | - |
| 2 | Watercress | Nasturtium officinale | - | It contains a plethora of antioxidants, which may lower your risk of heart disease and several types of cancer it's also a good source of minerals that protect your bones | - |
| | | | | | |
| | | | | | |
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| Format 22: V | Format 22: Wild Plants of Medicinal Importance | | | | | | | | | | | | | |
|--------------|--|---------------------|----------|-----------------------|-------|---------|-----------------|-----------|--------------|----------------|-------------|--|--|--|
| 1 | 2 | 3 | 4 | 5 | (| 6 | 7 | 8 | 9 | 10 | 11 | | | |
| Plant(herb, | Local Name | Scientific Name | Variety | Landscape/ habitat | Local | status | - Associated TK | Uses | Part used | Other details | c.knowledge | | | |
| shrub,tree) | | Scientific Nume | v arrety | | Past | Present | Associated TK | USES | I alt useu | market/own use | holder | | | |
| Tree | Amla | Phyllanthus emblica | Tree | Northern/Sub-Tropical | Good | Good | | Medicinal | Bark/ Fruit | - | | | | |
| Tree | Harad | Terminalia chebula | Tree | Northern/Sub-Tropical | Good | Good | | Medicinal | Bark/ Fruit | - | | | | |
| Tree | Jamun | Syzygium cumini | Tree | Northern/Sub-Tropical | Good | Good | | Medicinal | Fruit /seeds | - | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| ormat 23: V | Wild relatives | of Crops | | | | | | | | | |
|-------------|----------------|-----------------|---------------------|------|----------|-----------------|------|------------|---------------|------------------|--|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 | |
| Local | Scientific | Associated apon | Landssons / Usbitat | | l Status | Uses (usage) | Part | Associated | Other details | Community / Know | |
| Name | Name | Associated crop | Landscape / Habitat | Past | Present | (usage) | Used | ТК | Other details | holder | |
| | | | | | | | | | | | |
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| Format 24: Or | rnamental 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 | Nerium indicum | Shrub | Northern/ Sub-Tropical | - | - | - | - |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Format 25: | Fumigate / C | Chewing Plants | | | | | | | | | |
|-------------------------|--------------|------------------|---------|-----------------------------------|----------|----------|-----------|-----------|--|--|------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
| Plant (herb,shrub,Tr | Local Name | Scientific Name | Variety | Habitat | Local | status | uses | Part used | Ass.TK | Other details | Community knowledge |
| ee) | | | | | Past | Present | | | | | holder |
| Herb | Pudina | Mentha spp. | | Agricultural land | Abudant | Abudant | Spice | Leaves | Widely used in savory dishes, food, beverages, and confectionary products | Anti cancer activity against different types of human cancers as cervix, breast and many others | Locals |
| Tree | curry tree | Murraya koenigli | | moist forest and agricultral land | Normal | Normal | Spice | Leaves | Anti cancer activity against different types of human cancers as cervix, breast and many others | Anti-inflammatory, antioxidant, antitumor properties | Locals |
| Herb | wild Tulsi | Ocimum sanctum | | Moist soil | Abundant | Abundant | Medicinal | Leaves | Used in Cough, Colds, Asthma, and Bronchitis | Effective remedy for hair loss treatment | Locals |
| | | | | | | | | | | | |
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| Format 26: Ti | mber Plants | | | | | | | |
|---------------|-----------------|-----------------------|-------|----------|---------------------|------------------|------------------|---------------------|
| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 |
| Local Name | Scientific Name | Habitat | Local | Status | Other uses, if any | Associated Tk | Any other detail | Community knowledge |
| | | Habitat | Past | Present | Other uses, if any | Associated 1 K | Any other detail | holder |
| Sagwan | Tectona grandis | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Safeda | Eucalyptus | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Ber | Ziziphus jujuba | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Simbal | Bombax ceiba | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Tunu | Toona ciliata | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |
| Jamun | Syzygium cumini | Northern/Sub-Tropical | Good | Moderate | Commercial/ own use | Timber/ Firewood | - | - |

| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 |
|------------|------------|---|-----------------|------|---------|----------------------|----------|------------|---------------|--------|
| | T IN | Local Name Scientific Name Hobitat Local Status Parts Collected Commercial Uses | Commercial Uses | | | Community/ Knowledge | | | | |
| Plant Type | Local Name | Scientific Name | Habitat | Past | Present | (if any) | (if any) | Other Uses | Associated TK | Holder |
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| 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------|------------|-----------------|---------|-------|---------|-----------------|-----------------|------------|---------------|--------------------------------|
| | | | | Local | Status | Parts collected | Commercial Uses | | | Community/ Knowledge |
| Animal Type | Local Name | Scientific Name | Habitat | Past | Present | (if any) | (if any) | Other Uses | Associated TK | Community/ Knowledge Holder |
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| Format 28: V | Vild Animals (N | Mammals, Birds, | Reptiles, Amphibia | , Insects, oth | ers) | | | | | | |
|--------------|----------------------|-----------------------------|------------------------|----------------|-------------|-------|----------|-------------|----------|---------|------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | | 7 | 8 | 9 | 10 | 11 |
| Animal Type | Local Name | Scientific Name | Habitat | Description | Season when | Local | l status | uses if any | Ass. TK | Other | Community/ |
| Annai Type | | | mabitat | Description | seen | Past | Present | | A35. I K | details | Knowledge Holder |
| Wild Animal | Leopad | Panthera pardus | Northern/ Sub-Tropical | - | Winter | Good | Good | - | - | - | |
| Wild Animal | Squirrels | Sciuridae | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| Wild bird | Rose ringed parakeet | Psittaculidae | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| wild insects | Grasshooper | Caelifera | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| wild insects | butterfly | Rhopalocera | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| wild insects | bees | Apis mellifera | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| wild insects | ants | Brachymyrmex patagonicus | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| wild insects | Bumble bee | Bombus | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| Amphibia | Frog | Euphlyctis cyanophlyctis | Northern/ Sub-Tropical | - | - | Good | Good | - | - | - | |
| Reptiles | Snake | Serpentes | Northern/ Sub-Tropical | - | - | Good | Good | _ | - | - | |

| | URBAN BIODIVERSITY | | | | | | | | | | |
|---------|--------------------|-----------------|----------------|---------|------------------|------------------------------|--|--|--|--|--|
| | 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.) | | | | | |
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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 3 | 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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| Format 31: Any other information of local importance | | | | | | | | |
|--|---------------------------------|---------|--|--|--|--|--|--|
| 1 | 2 | 3 | | | | | | |
| Sr. No. | Information of local importance | Remarks | | | | | | |
| | | | | | | | | |

End of Part II