Peoples' Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Dhanbra East
Taluk/Tehsil: Mahanpur
District: kathua
State/UT: Jammu And Kashmir
Geographical Area of the pancahayt Samiti: 960 hac
Population Of the Panchayat samitiTotal 2022
Male= 1110 Female = 912
Habitat and Topography: Hilly/ Plain
Climate (Rainfall, Temperature and other weather patterns): Moderate
Land Use (Nine fold classification available with village records): Agriculture
Date, Month and Year of PBR preparation: 31/12/2019
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM)

#### Annexure 1

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

1)Name of the Chairperson: Gyan Chand Malgotra

**Age:** 68

Gender: Male

Address:- Dhambra East

Area of specialization: Teaching

2) Name: Sumlata

**Age:** 40

Gender: Female

Address: Dhambra East

Area of specialization: Housewife/ Teaching

3)Name: Kanchan Sharma

**Age:** 35

Gender: Female

Address: Dhambra East

Area of specialization: Agriculture

4)Name: Shiv Kumar

**Age:** 49

Gender: Male

Address: Dhambra East

Area of specialization: Agriculture

5)Name: Gulshan Singh

**Age:** 25

Gender: Male

Address: Dhambra East

Area of specialization: Engineering

6)Name: Chaman Lal (Secretary)

**Age:** 29

Gender: Male

Address: Dhambra East

Area of specialization: Bussiness

7)Name: Karan Singh

**Age:** 52

Gender: Male

Address: Dhambra East

Area of specialization: Defence (Retired)

Annexure 2
List of Vaids, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village
1) Name:
Age:
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material: local/non local
Perception of the practitioner on the resource status:less local resources availble
Medicinal Use:

Annexure 3
List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and foresty
1) Name : Shri Omkar Jan
<b>Age:</b> 70
Gender: Male
Address: Dhambra East
Area of specialization: Agriculture
2) Name:
Age:50
Gender:
Address:
Area of specialization:
3) Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:
4) Name of the Chairperson:
Age:
Gender:
Address:
Area of specialization:

<b>A</b> ì	nnexure 4
	etails of schools, colleges, departments, universities, government institutions, non- overnmental organization and individuals involved in the preparation of the PBR
1)	Contact Person:
	Name and Address: Mohammad Parvaiz Malik, Govt High School, Dhambra East
2)	Contact Person:
	Name and Address: Sachin Burma (KAS), Dhambra East
3)	Contact Person:
	Name and Address:
4)	Contact Person:
	Name and Address:
Yo	ou may add names of more institutions/NGO/Individuals etc, if necessary

Annexure	2.5											
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							

# Part II PBR – Formats AGROBIODIVERSITY

**Format 1: Crop Plants** 

1	2	3	4	5	6	,	7	8	9	10	11	12	13	14
Cuan	Scientific Name	Local	Vaniata	Landscape	Approx. area shown	Local Status		Special features	Cropping	Uses	Associated	Other details	Source of Seeds/Plant	Community/
Crop	Scientific Name	Name	Variety	/ Habitat		Past	Present	Special leatures	season	Uses	TK	Other details	seeds/Plant	Knowledge Holder
	Oryza sativa	Sharbati	431	Lowland valleys		Plenty	Plenty	Tall variety High yield Resistant to drought, flood, pest & diseases	June-oct	Food Fodder Roofing Fuel	Provides more energy	Suitable for "Valicha" cultivation	Native	Kurichiya Kuruma W. Chetty
Rice	Oryza sativa	Dhan, Munji, Basmati	PR-1121	Suitable for Sub Tropical areas . Matures in 135 - 140 day approx.		Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder	Provides more energy	Suitable for Cultivation in Low land, Mid HillsAreas, Hot & Humid Climate	Agri. Deptt.	
	Oryza sativa	Dhan, Munji, Desi Basmati	IR-8	Plant Height 140- 145 cm		Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder			Agri. Deptt.	
	Oryza sativa	Poineer	Jaya 71	Plant Height 140- 145 cm		Rare	Rare	Dwarf High Yielding variety	June - Oct	Food Fodder			Agri. Deptt.	
Wheat	Triticum aestivum	Kanak	HD-2967	150-155 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
wneat	Triticum aestivum	Kanak	Latest variety 967	135-140 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	

Maize	Zea mays	Makk, kukri, challi, Buhtta, jobawr	612	White grain Hyb. Suitable for Sub- tropical. Mauturees in 95- 100 days	Abundant	Abundant	Hight yeilding Varity	June- Oct	Food Fodder		Suitable of Plain & Mid Hills	Agri. Deptt.	
Pulses (Mash)	Vigna mungo	Maa/ Mash	T-9	Matures in 85-90 days. Suitable for plain & Mid hills	Abundant	Abundant	High yeilding Varity	June- Aug	Food	hight Protein contents	Suitable of Plain & Mid Hills	Agri. Deptt.	
Okra	Abelmoschus esculentus Moench	Bhindi	Pusa A-4	Dark green andfruit size 12- 15 cm long	Abundant	Abundant	High yield Variety , tolerant to YVM and aphids, First picking starts in 45 days	Feb- March June- July (rainy season	Food		Suitable of Plain & Mid Hills	Agri. Deptt.	
Tomato	Solanum lycopersicum	Tamatar,	Kashi (DVRT-2)	Plant are Green, Fruit are red, spherical medium to large sized	Abundant	Abundant	First harvest at 70-75 days after transplanting . Resistant to TLCV.	Transplan ting Jan to Mid Feb	Food	Resistant to TLCV.	Suitable of Plain & Mid Hills	Agri. Deptt.	
Knol khol	Brassica oleracea	Kadam	Purple Vienna	Cool & moist climate	Abundant	Abundant	Matures in 70-75 days.Knobs are purplish & fleshy greenish white.	mainly as a winter crop.	As vegetable pickles.	Rich in fibre.	For early crop sandy or sandy loam soils & for late crop clay loam &silty soils are preffered.	Agri. Deptt.	
Garlic	Allium sativum												
Cabbage	Brassica oleracea var. capitata												
Carrot	Daucus carota												
Raddish	Raphanus sativus												

Chikandar	Beta vulgaris subsp. vulgaris Conditiva Group							
Cauliflower	Brassica oleracea var. botrytis							
Turnip	Brassica rapa subsp. Rapa							

1	2	3	4	5	(	5	7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape /	Local Status		Source of Seeds/Plan	Season of	Associated TK	Uses	Other details	Community / Knowledge
1 iant	Scientific (Vaine	Local Name	variety	Habitat	Past	Present	ts	Fruiting	Associated 1 K	Uses	market / own use	holder
Papaya	Carica papaya	Papita	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	All season	Own uses	_	_
Mandarin	Citrus reticulata	Sangtra	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-September	Own uses	ı	_
Grapes	Vitis vinifera	Angoor	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	June-september	Own uses	ı	_
Anola	Phyllanthus emblica	Amla	Desi unbudded	Agricultural Land	Rare	Rare	_	Plants	October-December	Own uses	ı	_
Pear	Pyris communis	Nakh	Desi unbudded	Agricultural Land	Rare	Rare	_	Plants	August - November	Own uses	ı	_
Sweet Lime	Citrus limettoides	Metha	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-May	Own uses	ı	_
Pomergranate	Punica granatum	Anaar	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-May	Own uses	_	_
Jack Fruit	Autocorpus hetrophyllus	kathal	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-August	Own uses	_	_
Mousambi	Citrus aurantifolia	Mosambi	Desi unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-September	Own uses	_	_
Guava	Psidium guajava	Amrud	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	August - November	Own uses	_	_
Lemon	Citrus aurantifolia	Nimbu	Desi unbudded	Agricultural Land	Available	Available	_	Seeds/ Plants	November-December	Own uses	_	_
Trimbli		Trimbli	Desi unbudded	Agricultural Land	Rare	NA	_	Plants	May-June	Own uses	_	_
Banana	Musa paradisica	Kela	Desi unbudded	Agricultural Land	Rare	Rare	_	Plants	July-August	Own uses	_	_
Jamun	Syzygium cumini	Jamun	Desi unbudded	Agricultural Land	Rare	Available	_	Seeds/ Plants	March-July	Own uses	_	_
Rubus	Rubus ellipticus	Akhra	Wild unbudded	Agricultural Land	Rare	Rare	_	Plants	May-June	Own uses	_	_
Bael	Aegle marmelos	Bael	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-June	Own uses	_	_
Wild Khajoor	Phoenix sylvestris	Wild Khajoor	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	October-December	Own uses	_	_
Phagwari	Fragarria nubicola	Phagwaara	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	April-June	Own uses	_	_
Toot	Morus indica	Shahtoot	Wild unbudded	Agricultural Land	Rare	Rare	_	Plants	July-August	Own uses	_	_
Karonda	Carissa carandas	Garna	Wild unbudded	Agricultural Land	Rare	Rare	_	Seeds/ Plants	March-August	Own uses	_	_
Ber	Zizyphus mauritiana	Ber	Wild unbudded	Agricultural Land	Rare	Available	_	Seeds/ Plants	Feb-April	Own uses	_	_

**Format 3: Fodder Crops / Species** 

1	2	3	4	4	5		7	8	9	10
Plant	Scientific Name	Local	Landscape /	Local Status		Source of Plants	Associated	Part	Other details	Community /
Fiant		Name	Habitat	Past	Present	/ Seeds	TK	Used	Other details	Knowledge holder
Sorghum	Sorghum bicolor	Jowar	Warm climate crop	Plenty	Plenty	Agri. Deptt.	Rich in protein and minerals	Part used whole plant	Soil with clay loam texture having good water retention capcity are best suitable for its cultivation	
Berssem	Trifolium alexandrinum	Beerseen	winter forage.	Plenty	Plenty	Agri. Deptt.	Rich in protein and minerals	Part used whole plant. Repeated cuts can be taken .	Improves phyical condion of soil . It can be grown in all types of soil expect very light sandy soil	
Bajra	Pennisetum glaucum	Bajra	Warm climate crop	Plenty	Plenty	Agri. Deptt.	-	Whole	-	
Chari	Sorghum bicolor	Chari	Warm climate crop	Plenty	Plenty	Agri. Deptt.	-	Whole	-	
Barley	Hordeum vulgare	Jow	Winter	Plenty	Plenty	Agri. Deptt.	_	Whole	-	

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
Dlama	Scientific Name	I and Name	Affected	T4	Landscape /	Local Status		11 :£	Management	Associated	Other details	Community / Knowledge
Plant	Scientific Name	Local Name	crop	Impact	Habitat	Past	Present	Uses if any	Management options	TK	like exotic	holder
shol		Shol	Paddy	Broad leaf and consumed the nutrients of the plants and reduces the production	floating on the water	Plenty	Plenty	Nil	Drying of paddy field as a result leafs dry	-	Hady and wider adoptability, multiply very fast	Pahari Community
Shama		Shama	Paddy	compete with nutritions, light and space with Paddy crop and reduces the production	Tall growing just like paddy	Plenty	Plenty	Nil	Use of weedicide	-	-	-
Bathua	Chenopodium sp	Baathu	Wheat	Broad leaf and consumed the nutrients of the plants and reduces the production	Germination in the field after 20 days	Plenty	Plenty	Nil	1.Use of weedicide	-	Hady and wider adoptability, multiply very fast	-
Sitti	Phalaris minor	Sitti, Gehoon ka mama, Gulli Danda	Wheat	Compete with nutritions, light and space with wheat crop and reduces the productionNarrow Leav Weed	Grows with Wheat crop	Plenty	Plenty	Nil	1. Use of Weedicides metribuzinie @200Gms/ha dissolved in 500-600 l of water	-	Hady and wider adoptability, multiply very fast	-
Dhoob	Cynodon dactylon	Dhoob	Maize	Weed emerg with the germination with Maize seed and grow along with plants till the early growth period and cause sever crop weed compitation.	Grows with Maize crop	Plenty	Plenty	Nil	1). 2-3 Weeding follwed by earthingup. 2). pre emergence appliation Atrazine @ 1-1.25 Kg / per ha of 50% WP	-	Losses caused by Weeds are more during early stage than in later stages.	-
Obud	Cannabis	Obud	Maki	Restrict growth	Grows woth maki maize crop	Plenty	Plenty	Nil	Mannually/ weedicide	-	_	-
Dilla	Cyperus rotundus	Deeda	Paddy	Grows with paddy	_	Plenty	Plenty	Nil	Mannually/ weedicide	-	_	-

#### **Format 5: Pests of Crops**

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific name	Local name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community knowledge holder
Paddy	Grasshopper	Hieroglyphus niogrorepletum	Tidda , Raja da Gorha ,	Polyphagus	June to Novemeber	1.Destroy eggs by cleaning bunds 2. Spray the bunds with Malathion 5 % D @ 25 Kg / Ha	Both nymphs and Adults feed on the leaves , they devour the young shoots and newly farm ear heads.	Adults are like locust but smaller in size	
Paddy	Rice Hisppa	Dicladispa armigera	Neela tittu	Appeagrs in all varieties of rice	July -Sep	Clip the affected tips of leaves before transplanting	Quinalphos 25EC 1 litre per ha in 750 ltr of water	The grubs this pest mine into the leaves and adults are external fedders.	
Wheat	Field Rats	Bandicota sp. Tatera sp.	Chua, Kees,	Burrow in soil .Rats are found in nearly all areas of Earth which are inhabited by human beings.	through out the year	Poison baiting 2. bund trimming to minimize harborage 3. use indigenous traps	Thjey cause have loss to standing wheat crop and harvested crop in stores.	Domestic rats differ from wild rats in many ways. They are calmer and less likely to bite; they can tolerate greater crowding; they breed earlier and produce more offspring; and their brains, livers, kidneys, adrenal glands, and hearts are smaller	

Wheat	Termites	Microtermes obesi	seenak, seonk, white ant,	Generally appears at wet places, lives in nests made under ground	through out the year	Destroy termitaria in an around field	These are Social insect that lives under gound in colonies.	The demage plant dry up completely and are easily pulled out	
	Stem borer	Chilo partellus	Lurhi, kidda,	Occurs through out the country	July onward . 15- 20 days after Germination	apply granular insecticide carbofuran 3G @20 Kg / Ha 2.  Uproot the stubbles of previous years crop and burn	It attacks immediately after germination and causes dead hearts in young plants.	The adult is medium sized straw coloured moth . The caterpiller is dirty white in color with short bristly hair on its body	
Maize	Cut Worm	Agrotis ipsilon	Luhri	Occurs through out the country but especially Hilly areas	July onward .	1. Install light traps @2/Ha 2. Install Pheromones traps @40/Ha to attract to kill the male moths 3. Chlorpyriphos 30EC@3ml/of water	Larva cut the seedling at the ground level.	They live in soil during the day and feed at night. The caterpiller are in grey in colour	
cole crops	Cabbage butterfly	Pieris brassicae	Titali	The large white butterfly's habitat consists of large, open spaces, as well as farms and vegetable gardens, because of the availability of its food source.	Oct onwards	Release of Trichogramma chilionis @50000 adults/ha per release (6 times )at weekly interval in Mid January     2. Donot spray the crop near harvesting			

Vegetable	Fruit fly	Bactrocera cucurbitae	Titali	Fruit flies are of concern both as nuisance pests and as serious contaminators of food.	After Summer Rains when Humidity is high.	1. Install methyl eugenol traps @ 5-100/Ha 2. Spray Malathion @ 1ml +10 Grms gur/ ltr of water at evening hours when fruits flies are congregated on the leave surface.	Female fruit flies lay their eggs on the surface of rotting fruits and vegetables. Each female may lay as many as 500 eggs. These eggs hatch into larvae which molt twice before becoming fully grown.	Adults may be dull yellowish, brownish yellow, or brownish black in color and range from 1/10 to 1/5 inch long. Most species have red eyes. Larvae are very small (ranging from 1/10 to 1/5 inch long), dirty white, and maggot-shaped. They can be recognized by the stalked posterior spiracles on the last abdominal segment.	
Pear, Plum, Peach	Insect	Myzus persicate	Green aphid	Soil	Winter season	Biological / chemical			
Apricot, Apple	Insect	Quadraspidiotus perniciosus	Sanjose sacle		Full Year	Biological / chemical			
Walnut, Almond	Insect	Eriosoma lanigerum	Woolly aphid	Soil	Feb-April	Biological / chemical			
Citrus	Insect	Nasutitermes spp	Termites	Soil	All season	Biological / chemical			
Citrus	Insect	Aonidiella aurantii	Red scale	Soil	All season	Biological / chemical			
Mango	Insect	Sternochetus mangiferae	Seed weevil	Soil	All season	Biological / chemical			
Mango	Insect	Penicillaria jocosatrix	Shoot Caterpillar	Soil	All season	Biological / chemical			
Mango	Insect	Nasutitermes spp	Termites	Soil	All season	Biological / chemical			
Citrus, Mango, Litchi, Guava	Insect	Pseudococcus longispinus.	Mealy bug	Soil	All season	Biological / chemical			

Citrus, Mango, Litchi, Guava	Insect	Isoptera spp.	Termites	Soil	All season	Biological / chemical				
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	Format 6: Markets 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					
No. Organized market	Unorganized culling	Sheep and Goat	Sheep-2 Goat-1	From villages of the Panchcyat	Locaal Consumption	-	-	-					

#### Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
2022	288/Farming	Farming	Agriculture	Winter/ Summer	Old/ Summer	1	4	Average	good	288

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
Ma	ijor Landscaj	pes	Sub -	Feature s			General		Management		Associated	Other	Community
Agricultural land	Pond	Fallow land	Landscapes	approx. area	Ownership	General flora	fauna	User groups	practices	General uses	TK	details	accessed
Cultivated	Not	Not	Cultivated		Private	Local Plants&some	Insects	Local People	Modern Agricultral	Agricultral	Unknown	Unknown	Local People
Land	Applicable	Applicable Cultivated Land -		-	Tilvate	wild Plants	insects	Local Teople	Practices	Agricultiai	Chikhowh	Unknown	Local I copie
Irrigated land	Not applicable	Not applicable	Irrigated Land	-	Govt. & Private	Acquatic Plants	Insects	Local People	Modern Agricultral Practices	Agricultural	Unknown	Unknown	Local People
Forest Land	Not applicable	Not applicable	Forest Land	-	Govt.	Local Plants& some wild Plants	Insect & Amphibians	Local People	-	Firewood And Grazing	Unknown	Unknown	Local People
Grazing Land	Not applicable	Not applicable	Non Irrigated Land	-	Govt.	some wild Plants	Insects	Local People	-	Grazing of Cattles	Unknown	Unknown	Local People

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

	Format 9: Waterscape													
1	2	3	4	5	6	7	8	9	10	11	12	13		
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed		
Stream	-	Direct small underground streams	Govt. land,Revenue,	Mostly ferns,Bryophy tes	Amphibians	Daily household & Drinking	Local people	Small Check Dams	Drinking, Washing	Unknown	Unknown	Local People		
Nalas	ı	Tributary of Khads	Govt. land,Revenue,	Flowers, Fruits	Frog,Fish, Snake	Irrigation, Washing	Local people	Small Check Dams	Washing	Unknown	Unknown	Local People		
Ponds	-	Dependent on Rainwater	Govt. land,Revenue,Pr ivate	Flowers,Fruits	Frog,Fish, Snake	Irrigation,Fish production	Local people	Eradication of weeds	Irrigation	Unknown	Unknown	Local People		

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewell, Dug well etc.,

#### 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 Recharged with Fodder Sandy Grey Does not retain water Maize, Beans Unknown Unknown Tank Bed plants/Snakes, insects Fodder Wheat, Brown Retain Water High in Moisture Unknown Unknown Loamy paddy, vegetables etc Plants/Rats, Insects Brownish Fodder Wheat, Retains Water Clay High in moisture Unknown Unknown paddy, vegetables etc Mixture Plants/Rats,Insects Fine Granular, Dub-Angular Blocky Silt Loam to clay Use of Organic Maize, Wheat, Brown Forest Soil Structure having pH 7.8-8.3, Water Texture Safflower matter Holding capacity more than 40% Use of Organic Red and Yellow Water Holding Capacity is 40%, Loamy matter, use of cattle Maize, Jowar, Oats Coarse Texture Podzolic Soils. Soils dung pH 7.1-7.8, Occur on steep slopes in the Gravelly loam to Use of Organic Lithosols forest hills of 400-600 mtrs. 33-38% Maize & Fodder Crops Gravelly silty Loam matter Water Holding Capacity Wheat, Paddy, Use of Organic Alluvial Soils Loamy Soils ph 7.0-7.7, Organic Carbon 0.28-0.61% Vegetables matter

#### Format 11: FRUITS TREES DOMESTICATED BIODIVERSITY

1	2	3	4	6	7	7	8	9	10	11	12	13
Plant Type	Local Name	Scientific	Variety	Landscape/	De/ Local Status		Source of	Season of	Uses	Associated	Other details market/own	Community/ Know.
Plant Type	Local Name	Name	variety	Habitat	Past	Present	plant/seeds	Fruiting	(usage)	TK	use	holder
Mango	Mangifera indica	Aam	Dashrei Amrapali Malika	Agricultural Land	Available	Abundant	Seeds	March-july	_	_	Own/ Market	_
Guava	Psidium guajava	Amrud	L-49 Allahabad safeda	Agricultural Land	Rare	Available	Seeds	August- december	_	_	Own/ Market	_
Lemon	Citrus aurantifolia	Nimbu	Kagzi, Kumkath	Agricultural Land	Available	Available	Seeds	November- december	_	_	Own/ Market	_
Mousambi	Citrus aurantifolia	Mosambi	Grafted	Agricultural Land	Rare	Rare	Seeds	April- September	_	_	Own/ Market	_
Sweet Lime	Citrus limettoides	Metha	Grafted	Agricultural Land	Rare	Rare	Seeds	April-May	_	_	Own/ Market	_
Papaya	Carica papaya	Papita	Red lady, washington	Agricultural Land	Rare	Rare	Seeds	All seasons	_	_	Own/ Market	_
Mandarin	Citrus reticulata	Sangtra	Grafted	Agricultural Land	Rare	Rare	Seeds	April- September	_	_	Own/ Market	_
Grapes	Vitis vinifera	Angoor, Daakh	Thomson seedless priette	Agricultural Land	Rare	Rare	Seeds	June- september	_	_	Own/ Market	_
Date Plum	Phoenix sylvestris	Wild Khajoor	Local	_	Rare	Rare	Seeds	Oct-Nov	_	_	Own/ Market	_

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

1	2	3	4	5	6		7	8	9	10	11	12
Dland Ton	LandNess	Caiandiffa Nama	N/a mi a dan	Landscape/	Source of	Local	l status	II ()	Dont word	Associated TV	Other details	Community/
Plant Type	Local Name	Scientific Name	Variety	Habitat	plant/seeds	Past	Present	Uses (usage)	Part used	Associated TK	market/own use	Know. Holders
Tree	Karal	Bauhinia variegate	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves,seeds	Used as medicine	Flower used as medicine and vegitable	_
Tree	Aaran	Prunus Persica	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Amla	Phyllanthus emblica	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Baadh	Ficus religiosa	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Bair	Ziziphus xylocarpa	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Bheda	Terminalia bellerica	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Bill-Patre	Angle mermelos	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Cambel	Lannea coromandelica	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Charmood	Ehretia laevis	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Chilla	Casearia tomentosa	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Chir	Pinus rouxburghii	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Dhaman	Grewia optiva	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Tree	Drankh	Melia azedarach	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-
Tree	Fakwara	Ficus palmata	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-

Tree	Aaran	Prunus Persica	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-
Tree	Amla	Phyllanthus emblica	Tree	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-
Herbs	Brahmi	Centella asiatica	Herbs	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-
Shrubs	Garna	Carissa spinarum	Shrubs	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Shrubs	Drenkeri	Murraya koenigii	Shrubs	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-
Tree	Kakoa	Theobroma	Tree	Sub-Tropical	Seed	Available	Available	Own use	Seed	Used as medicine	Used as medicine	_
Plant	Kadipata	Murraya koenigii	Plant	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	_
Plant	Barain	-	Plant	Sub-Tropical	Seed	Available	Available	Own use	Leaves	Used as medicine	Used as medicine	-
Tree	Krang	Cassia fistula	Tree	Sub-Tropical	Seed	Available	Available	Own use	Seeds	Used as medicine	Used as medicine	-

	Format 13: Ornamental Plants/Trees/Climbers etc.												
1	2	3	4	5	6	7	8	9	10				
Plant type	Local Name	Scientific Name	Variety	Source of Plant/Seeds	Commercial/Non- commercial	Uses	Associated Tk	Other Details	Community/ Knowledge Holder				
Ornamental Tree	Kachnar	Bauhinia variegata		Nurseries/Forest	Non commercial	Ornamental/ Landscaping	Used for Dysentry, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen/ Gardeners				
Bushes/ Shrubs	Bottle Brush	Callistemmon spp.		Nurseries	Non commercial	Ornamental/ Landscaping	Theraputic uses	Foilage and flowers	Floriculturists/ Nurserymen/ Gardeners				
Bushes/	Bogan Bael	Boughanbhallia		Nurseries	Non commercial	Ornamental/ Landscaping	Antidiabetic, antiinflammatory	Multicoloured flowers	Floriculturists/ Nurserymen/ Gardeners				
Bushes/ Shrubs	Golden Duranta	Duranta repens		Nurseries	Non commercial	Ornamental/ Landscaping	Beneficial in itching, malaria, asthma etc.	Foliage, Edging	Floriculturists/ Nurserymen/ Gardeners				
Bushes/ Shrubs	Hibiscus	Hibiscus rosasinensis		Nurseries	Non commercial	Ornamental/ Landscaping	Used in fever, constipation	Flower throughout the year	Floriculturists/ Nurserymen/ Gardeners				
Bushes/ Shrubs	Motia	Jasminum sambac		Nurseries	Non commercial	Ornamental/ Landscaping	Used in Hepatitis, dysentry	Flower throughout the year	Floriculturists/ Nurserymen/ Gardeners Floriculturists/				
Herbs Seasonals	Guldopahar	Portulaca Grandiflora		Nurseries	Non commercial	Ornamental/ Landscaping	Antioxidant, antibacterial	Summer annual flower	Floriculturists/ Nurserymen/ Gardeners Floriculturists/				
Pot Plants	Agave	Agave angustifolia		Nurseries	Non commercial	Ornamental/ Landscaping	Traditional medicines	Succulent	Nurserymen/ Gardeners				

1	2	3	4		5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local	status	Wild/ home-	Other	Associated TK	Other details	Community/
Frant Type	Local Name	Scientific Ivame	Habitat	Past	Present	garden	uses (multi)	Associated 1 K	Other details	Know. holder
Tree	Shisham	Dalbergia sissoo	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for furniture	Unknown	_
Tree	Kimu	Morus serrata	Sub Tropical	Available	Less	Wild/Garden	Furniture	Wood used for furniture	Unknown	_
Tree	Tuni	Cedrela toona	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for furniture	Unknown	_
Tree	Chir	Pinus roxburghii	Sub Tropical	Available	Available	Wild	Furniture	Wood used for making agriculture equipments	Unknown	_
Tree	Beoul	Grewia oppositifolia	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for making agriculture equipments	Unknown	_
Tree	Sagwan	Tectona grandis	Sub Tropical	Available	Available	Wild/Garden	Furniture	Wood used for making agriculture equipments	Unknown	_
Tree	Dhaman	Grevia optiva	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_
Tree	Safeda	Eucalyptus Spp.	Sub Tropical	Available	Available	Wild	Furniture	Wood used for furniture	Unknown	_
Tree	Khair	Acacia catechu	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_
Tree	Phulai or Fly	Acacia modesta	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_
Tree	Kikar	Robinia pseudoacacia	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_
Tree	Simbal	Bombax cieba	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_
Tree	Jamun	Syzygium cumini	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_

Tree	Safed siris	Albizzia narora	Sub Tropical	Available	Available	Wild	Agriculture	Wood used for making agriculture equipments	Unknown	_
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#### Format 15: Domesticated Animals

1	2	3	4	5	6	,	7	8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/	Features	Method of	Local	status	Uses	Associated TK	Commercial	Other details including	Community Know.
Animai Type	Local Name	Scientific Ivame	hybrid)	reatures	keeping	Past	Present	Uses	Associated 1K	rearing	products and services	Holders
Cow	Gaay/goo	Bos indicus	Hyrid	High Fertility, High Milk Yield	Domesticated	Available	Available	Milk+ Cow Dung	Highly Nutritious & complete diet	Yes		
			Local	Low Milk Yield , adoptable to local climatic condition					Highly Nutritious	No	Nil	Self Observed
Buffalo	Bhains/ Maain	Bubalus bubalis	Local/ Upgraded	Black in Colour/ Moderate to High Milk yield with High Fat %age	Domesticated	Available	Available	Milk & Dung	Considered more energetic due to High fat %age	Commercial in upgraded , Non commercial in local	Nil	Self Observed
Ox	Bael/Dand	Bos indicus	Local/ Hyrid	Ploughing & Carriage	Domesticated	Available	Available	Ploughing & Carriage	-	No		Self Observed
Dog	Kutta	Cannis lupus familaris	Local/ Hyrid	Pet	Domesticated & Stray	Available	Available	Guarding & Watching	-	No	Nil	Self Observed
Horse/ Mules/ Donkey	Ghoda/ Khachar/Khota	Equus caballus	Local/ Hyrid	-	Domesticated	Available	Available	Carriage & Cart Pulling	-	No	Nil	Self Observed
Buff Bull	Chotta	Bubalus bubalis	Local	-	Domesticated	Rare	Rare	Breeding and ploughing	-	No	Nil	Self Observed
Cat	Billi	Felis catus.	Local	-	Domesticated & Free Roaming	Available	Available	No	-	No	Nil	Self Observed
Poultry	Kukad/Kukdi	Gallus gallus	Local/ Hyrid	-	Domesticated	Available	Available	Meat & Egg Production	-	Yes	Nil	Self Observed
Goat	Bakri	Capra aegagrus hircus	Local	-	Domesticated	-	-	Meat/ Milk	Nutritious	Yes	Nil	Self Observed

Uses include milk, meat, skin, fur and etc

	Format 16: Culture Fisheries													
1 2 3 4 5 6 7 8 9 10									11	12				
	Fish Type Local Name Scientific Name Variety Features Waterscape (nond/bhori/taleo) Uses Associated Commercial Proving Other details Know.													
Fish Type	Local Name	Scientific Name	Variety	Features	(pond/bheri/ talao)	Past	Present	Uses	TK	rearing	Other details	Know. Holders		
_	Chapad	Channa striata	_	Snake shaped	Pond	_	-	Meat/ Oil	_	Yes	_	_		

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

	Format 17: Markets / Fairs for Domesticated Animals, Medicinal Plants and other products												
1	2	3	4	5	6	7	8	9					
Name of the Weekly Market / Fair	Location	Weekly / Fortnightly & Others Bi-annual / Annual	Day held	Month incase of bi- annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported					

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

1	2	3	4	5		6	7	8	9	10	11
Dis. 4 T	T I N	C. * /* 6" . N	11.1.2	II.1.2.4	Local	status	Commercial /	D. A. B. H. A. A.	Annual de l'EUZ	04	Community
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	own use	Part collected	Associated TK	Other details	Knowledge Holder
Tree	Amli	Phyllanthus emblica	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Used in Gastro Problem	Medicinal use	Self observed
Tree	Ber	Ziziphus jujuba	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Bour	Ficus benghalensis	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Chilla	Casearia tomentosa	Tree	Sub - Tropical	Available	Available	Own Use	Leaf and Wood	Unknown	Medicinal use	Self observed
Tree	Chir	Pinus roxburghii	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Kakoa	Flacourtia indica	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Daronkal	Murraya koenigii	Tree	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Tree	Dudaya	Wrightia arborea	Tree	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Shrubs	Garna	Carissa spinarum	Shrubs	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Jamun	Syzygium cumini	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kembal	Lannea coromandelica	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kamla	Mallotus philippensis	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Khair	Acacia catechu	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Kodh	Aloe barbadensis	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Krongal	Cassia fistula	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Lucenia	Leucaena spp.	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed

Tree	Plah	Butea monosperma	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Phulai	Acacia modesta	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Pansara	Wendlandia spp.	Tree	Sub - Tropical	Available	Available	Own Use	Leaves and Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Reetha	Sapindus mukorossi	Tree	Sub - Tropical	Available	Available	Own Use	Fruits and Wood	Used for Diabetes	Medicinal use	Self observed
Shrubs	Santa	Dodonaea viscosa	Shrubs	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Sarri	Albezzia spp.	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Simbal	Bombax ceiba	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Talli	Dalbergia sisso	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Thub / Dudhruk	Erythrina spp.	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Balugar	Bauhinia vahlii	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Chuindi	Xylosma longifolium	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Doss/sanan	Colebrookea oppositifolia	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Khini	Ficus semicordata	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Kral	Bauhinia variegata	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Flowers	Used for Diabetes	Medicinal use	Self observed
Tree	Lana	Ficus hispidia	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Dhaman	Grewia optiva	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Badh	Ficus religiosa	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Behra	Terminalia bellirica	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Bilan	Aegle marmelos	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Used for Diabetes	Medicinal use	Self observed
Tree	Gandila	Nerium oleander	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Gulmorh	Delonix regia	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Oanni	Lyonia ovalifolia	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed

Tree	Rumble	Ficus racemosa	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/ Wood	Unknown	Medicinal use	Self observed
Tree	Draink	Melia azedarach	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Wood	Unknown	Medicinal use	Self observed
Tree	Harad	Terminalia chebula	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Unknown	Medicinal use	Self observed
Tree	Amb	Mangifera indica	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Unknown	Medicinal use	Self observed
Tree	Tunnu	Toona ciliata	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Neem	Azadirachta indica	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	Plakh	Ficus virens	Tree	Sub - Tropical	Available	Available	Own Use	Leaves/Wood	Unknown	Medicinal use	Self observed
Tree	Rehn	Quercus lucotricophora	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	chamar sama	Holoptelea integrifolia	Tree	Sub - Tropical	Available	Available	Own Use	Wood	Unknown	Medicinal use	Self observed
Tree	lasura	Cordia myxa	Tree	Sub - Tropical	Available	Available	Own Use	Fruits/Wood	Unknown	Medicinal use	Self observed
Shrubs	BRANKED	Justicia adhatoda	Shrubs	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Tree	KHAR	Saccharum bengalense	Tree	Sub - Tropical	Available	Available	Own Use	Leaves	Unknown	Medicinal use	Self observed
Tree	Imli	Tamarandis indica	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Unknown	Medicinal use	Self observed
Tree	Amrood	Psidium guajava	Tree	Sub - Tropical	Available	Available	Own Use	Fruits	Digestion problem	Medicinal use	Self observed

### 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	Khair	Acacia catechu	Wild	Social and Economic	Available
2	Phulai or Fly	Acacia modesta	Wild	Social and Economic	Available
3	Kikar	Acacia nilotica	Wild	Social and Economic	Available
4	Parkanda	Achyranthes aspera	Wild	Social and Economic	Available
5	Bel	Aegle marmelos	Wild	Social and Economic	Available
6	Nuriya	Aerva sanguinolenta	Wild	Social and Economic	Available
7	Ramban	Agave americana	Wild	Social and Economic	Available
8	Kala Siris	Albizia lebbeck	Wild	Social and Economic	Available
9	Kramblu	Albizia odoratissima	Wild	Social and Economic	Available
10	Safed siris	Albizzia procera	Wild	Social and Economic	Available
11	Chaleri Saag	Amaranthus viridis	Wild	Social and Economic	Available
12	Seski	Artemisia parviflora	Wild	Social and Economic	Available
13	Kathal	Artocarpus heterophyllus	Wild	Social and Economic	Available
14	Nad	Arundo donax	Wild	Social and Economic	Available
15	Neem	Azadirachta indica	Wild	Social and Economic	Available
16	Bamboo	Bambusa bambos	Wild	Social and Economic	Available
17	Bamboo	Bambusa nutans	Wild	Social and Economic	Available
18	Kachnar	Bauhinia purpurea	Wild	Social and Economic	Available
19	Baloonger	Bauhinia vahlii	Wild	Social and Economic	Available
20	Kachnar	Bauhinia variegata	Wild	Social and Economic	Available
21	Simbal	Bombax ceiba	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
22	Plaah	Butea monosperma	Wild	Social and Economic	Available
23	Bhang	Cannabis sativa	Wild	Social and Economic	Available
24	Chilla	Casearia tomentosa	Wild	Social and Economic	Available
25	Krangal	Cassia fistula	Wild	Social and Economic	Available
26	Mainphal	Catunaregum spinosa	Wild	Social and Economic	Available
27	Aajan Grass	Cenchrus ciliaris	Wild	Social and Economic	Available
28	Brahmi buti	Centella asiatica	Wild	Social and Economic	Available
29	Karun	Chenopodium murale	Wild	Social and Economic	Available
30	Khas Khas	Chrysopogon zizanoides	Wild	Social and Economic	Available
31	Sanali or Dussa	Colebrookea oppositifolia	Wild	Social and Economic	Available
32	Barna	Crateva religiosa	Wild	Social and Economic	Available
33	Shudri	Cynoglossum lanceolatum	Wild	Social and Economic	Available
34	Deela	Cyperus rotundus	Wild	Social and Economic	Available
35	Tali	Dalbergia sissoo	Wild	Social and Economic	Available
36	Dhatura	Datura stramonium	Wild	Social and Economic	Available
37	Baans	Dendrocalamus strictus	Wild	Social and Economic	Available
38	Palain	Dichanthium annulatum	Wild	Social and Economic	Available
39	Kalu grass	Dicliptera bupleuroides	Wild	Social and Economic	Available
40	Santha	Dodonaea viscosa	Wild	Social and Economic	Available
41	Pangara	Erythrina variegata	Wild	Social and Economic	Available
42	Safeda	Eucalyptus camaldulensis	Wild	Social and Economic	Available
43	Hybrid safeda	Eucalyptus tereticornis	Wild	Social and Economic	Available
44	Bubbeain	Eulaliopsis binata	Wild	Social and Economic	Available
45	Trimbal	Ficus auriculata	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
46	Bohr	Ficus benghalensis	Wild	Social and Economic	Available
47	Fagora	Ficus palmata	Wild	Social and Economic	Available
48	Rumble	Ficus racemosa	Wild	Social and Economic	Available
49	Badh or Pipal	Ficus religiosa	Wild	Social and Economic	Available
50	Kakoa	Flacourtia indica	Wild	Social and Economic	Available
51	Kanphuta	Flemingia chappar	Wild	Social and Economic	Available
52	Bhattani	Gomphrena celosioides	Wild	Social and Economic	Available
53	Dhaman	Grewia optiva	Wild	Social and Economic	Available
54	Lamb grass	Heteropogon contortus	Wild	Social and Economic	Available
55	Aakh	Ipomoea carnea	Wild	Social and Economic	Available
56	Chameli	Jasminum officinale	Wild	Social and Economic	Available
57	Ratanjot	Jatropha curcas	Wild	Social and Economic	Available
58	Brenker	Justicia adhatoda	Wild	Social and Economic	Available
59	Kembal	Lannea coromandelica	Wild	Social and Economic	Available
60	Panjphuli	Lantana camara	Wild	Social and Economic	Available
61	Mithu grass	Lathyrus sativus	Wild	Social and Economic	Available
62	Kamila	Mallotus philippensis	Wild	Social and Economic	Available
63	Baryar	Malvastrum coromandelianum	Wild	Social and Economic	Available
64	Aam	Mangifera indica	Wild	Social and Economic	Available
65	Drehnk	Melia azedarach	Wild	Social and Economic	Available
66	Kaam	Mitragyna parvifolia	Wild	Social and Economic	Available
67	Toot	Morus alba	Wild	Social and Economic	Available
68	Drenkeri	Murraya koenigii	Wild	Social and Economic	Available
69	Gandila	Nerium oleander	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
70	V	Olea europaea subsp.	Wild	Social and Economic	Available
71	- Kua	cuspidata	Wild	Social and Economic	Available
72	Chhitter	Opuntia elatior	Wild	Social and Economic	Available
73	Tetar	Oroxylum indicum	Wild	Social and Economic	Available
74	Congress Grass or Jari	Parthenium hysterophorus	Wild	Social and Economic	Available
75	Deena nath grass	Pennisetum pedicellatum	Wild	Social and Economic	Available
76	Napier grass	Pennisetum purpureum	Wild	Social and Economic	Available
77	Khajoor	Phoenix sylvestris	Wild	Social and Economic	Available
78	Amla	Phyllanthus emblica	Wild	Social and Economic	Available
79	Chir	Pinus roxburghii	Wild	Social and Economic	Available
80	Daduni	Punica granatum	Wild	Social and Economic	Available
81	Jojra	Pupalia lappacea	Wild	Social and Economic	Available
82	Basant panchami	Reinwardtia indica	Wild	Social and Economic	Available
83	Arnid	Ricinus communis	Wild	Social and Economic	Available
84	Khar	Saccharum bengalense	Wild	Social and Economic	Available
85	Panwar	Senna tora	Wild	Social and Economic	Available
86	Kezun grass	Setaria sphacelata	Wild	Social and Economic	Available
87	Kayan Kothi	Solanum americanum	Wild	Social and Economic	Available
88	Ban tamakoo	Solanum erianthum	Wild	Social and Economic	Available
89	Jamun	Syzygium cumini	Wild	Social and Economic	Available
90	Imli	Tamarindus indica	Wild	Social and Economic	Available
91	Phul dudi	Tarxacum campylodes	Wild	Social and Economic	Available
92	Arjun	Terminalia arjuna	Wild	Social and Economic	Available
93	Bahera	Terminalia bellirica	Wild	Social and Economic	Available

1	2	3	4	5	6
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
94	Harar	Terminalia chebula	Wild	Social and Economic	Available
95	Giloe	Tinospora sinensis	Wild	Social and Economic	Available
96	Tunu	Toona ciliata	Wild	Social and Economic	Available
97	Jiyo	Trema orientalis	Wild	Social and Economic	Available
98	Pakhra	Tribulus terrestris	Wild	Social and Economic	Available
99	Kayalu	Tulipa clusiana	Wild	Social and Economic	Available
100	Bachita	Urena lobata	Wild	Social and Economic	Available
101	Bana	Vitex negundo	Wild	Social and Economic	Available
102	Pansar	Wendlandia exserta	Wild	Social and Economic	Available
103	Dhain	Woodfordia floribunda	Wild	Social and Economic	Available
104	Dhain	Woodfordia fruticosa	Wild	Social and Economic	Available
105	Dudhi	Wrightia arborea	Wild	Social and Economic	Available
106	Jojera	Xanthium strumarium	Wild	Social and Economic	Available
107	Timbru	Zanthoxylum armatum	Wild	Social and Economic	Available
108	Ber	Ziziphus jujuba	Wild	Social and Economic	Available

## Format 20: Aquatic Biodiversity

1	2	3	4	5		6		8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local	Local Status		Associated TK	Other details	Community/
Local Ivalic	Scientific Ivanic	variety	reacures	Habitat	Past	Present	Uses	Associated TK	Other details	Knowledge Holder
Akk	Ipomea carnea	Shurb		Stream & ponds	Available	Available	NA	NA	NA	Self observed
Hygrilla	Hydrilla spp	Grass		Stream & stable water	Available	Available	NA	NA	NA	Self observed
Fish	Channa striata	Animal		Ponds	Available	Available	Meat/Oil	NA	NA	Self observed
Frog	Rana temporaria	Animal		Stream	Available	Available	NA	NA	NA	Self observed
Lotus	Nelumbo nucifera	soft plant		Ponds	Available	Available	Worship	Unknown	Unknown	Self observed

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	Kamal	Nelumbo nucifera	local	Worshipping	unknown							
2	Aak	Calotropis gogantea	local	None	unknown							
3	Hydrilla	Hydrilla verticillata	local	None	unknown							

## Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5		6	7	8	9	10	11
Plant (Herb,	T I NT	Cot of C. N.	\$7	Landscape /	Local	Status	A * . 4 . 1 TIZ	Hann ( anna)	Do 4 and	Other details	Community/
Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Past	Present	Associated TK	Uses (usage)	Part used	market/ own use	Knowledge Holder
Tree	Khair	Acacia catechu	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Phulai or Fly	Acacia modesta	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Kikar	Acacia nilotica	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Parkanda	Achyranthes aspera	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Bel	Aegle marmelos	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Kramblu	Albizia odoratissima	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Neem	Azadirachta indica	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Simbal	Bombax ceiba	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Bhang	Cannabis sativa	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Garna	Carissa spinarum	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Krangal	Cassia fistula	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Herbs	Brahmi buti	Centella asiatica	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Herbs	Khas Khas	Chrysopogon zizanoides	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Kapoor	Cinnamomum camphora	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Fagora	Ficus palmata	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Rumble	Ficus racemosa	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	

1	2	3	4	5		6	7	8	9	10	11
Plant (Herb,	T INT	C	<b>\$</b> 7* - 4	Landscape /	Local	Status	A A . I TIZ	Hann ( man)	De 4 mil	Other details	Community/
Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Past	Present	Associated TK	Uses (usage)	Part used	market/ own use	Knowledge Holder
Tree	Toot	Morus alba	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Shrubs	Drenkeri	Murraya koenigii	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Khajoor	Phoenix sylvestris	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Amla	Phyllanthus emblica	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Reetha	Sapindus mukorossi	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Jamun	Syzygium cumini	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Imli	Tamarindus indica	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Arjun	Terminalia arjuna	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Bahera	Terminalia bellirica	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Tree	Harar	Terminalia chebula	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	
Climber	Giloe	Tinospora sinensis	Wild	Sub-troplical	Available	Available	Medical Use	Medical Use	Leaves Flowers	NA	

Format 23: Wild relatives of Crops

1	2	3	4		5	6	7	8	9	10
Local	Scientific	Associated	Landscape /	Local Status		Uses	Part	Associated	04. 14.7	Community /
Name	Name	crop	Habitat	Past	Present	(usage)	Used	TK	Other details	Know holder
Panjfulli	Lantana camara	-	Sub-troplical	Available	Available	Medical	leaves	-	-	-
Congress Jadi	Parthenium	I	Sub-troplical	Available	Available	Medical	leaves	I	ı	-
Chaleri Saag	Amaranthus viridis	Saag	Sub-troplical	Available	Available	Edible	Leaves	Unknown	unknown	Self addressed
Jangli Putna	Mentha arvensis	Putna	Sub-troplical	Available	Available	To cure stomach ache	Leaves	Unknown	unknown	self adressed
Jangli Palak	Rumex dentatus	Palak	Sub-troplical	Available	Available	Edible	Leaves	Unknown	unknown	Self addressed

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
kringal	Casia fistula	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
Gandera	Nerium oleander	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
Badah	Salix alba	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
karal	Bauhinia variegata	Tree	Sub Tropical	Non-Commercial	N.A	N.A	Self observed
Tulsi	Ocimum tenuiflorum	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Cactus	Cactaceae	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Aloevera	Aloe barbadensis miller	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Ashoka	Saraca asoca	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Bottle brush	Callistemon Lanceolatus	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed
Rose	Rosa spp	Local	Sub tropical	Non-commercial	Garden	Unavailable	Self observed

	Format 25: Fumigate / Chewing Plants											
1	2	3	4	5		6	7	8	9	10	11	
Plant (Herb,	Local	Scientific			Local	Status	Uses		Associated	Other details	Community	
Shrub, Tree)	Name	Name	Variety	Habitat	Past	Present	(usage)	Part used	TK	(mode of use)	knowledge holder	
Tree	Amrood	Psidium guajava	Local	Sub tropical	Available	Available	Oral health care	leaves, branches	unknown	fruit	self observed	
Shrub	Bana	Vitex negundo	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	leaves have medicinal value	self observed	
Tree	Shisham	Dalbergia sissoo	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	furniture wood	self observed	
Tree	Neem	Azadirachta indica	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	leaves have medicinal value	self observed	
Climber	Giloy	Tinospora sinensis	Local	Sub tropical	Available	Available	Oral health care	stem	unknown	unknown	self observed	
Shrub	Drenkari	Murraya koenigii	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	unknown	self observed	
Tree	Khajoor	Phoenix sylvestris	Local	Sub tropical	Available	Available	Oral health care	branches	unknown	fruits	self observed	
Shurb	Garna	Carissa spinarum	Tree	Sub Tropical	Available	Available	Medical	Leaves, Flowers	Medical	NA		

Format 26:	<b>Timber Plants</b>
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1	2	3	4	1	5	6	7	8	
Local Name	Scientific Name	Habitat	Local	Status	Other Uses, if any	Associated TK	Other Details	Community/	
Local Name	Scientific Name	Habitat	Past	Present	Other Oses, if any	Associated 1K	Other Details	Knowledge Holder	
Khair	Acacia catechu	Sub Tropical	Available	Available	Medical Use & Timber	Medical use	Unknown	self addressed	
Phulai or Fly	Acacia modesta	Sub Tropical	Available	Available	Medical Use & Timber	Medical use	Unknown	self addressed	
Kikar	Acacia nilotica	Sub Tropical	Available	Available	Medical Use & Timber	Medical use	Unknown	self addressed	
Talli	Dalbergia sissoo	Sub-trophical	Available	Available	Timber wood	wild	nil	self addressed	
Tuni	Toona ciliata	Sub-trophical	Available	Available	Timber wood	wild	nil	self addressed	
Safeda	Corymbia citriodora	Sub-trophical	Available	Available	Timber wood	wild	nil	self addressed	
Simbal	Bombax ceiba	Sub-trophical	Available	Available	Timber wood	wild	nil	self addressed	
Jamun	Syzygium cumini	Sub-trophical	Available	Available	Timber wood	wild	nil	self addressed	
Chir	Pinus roxburghii	Sub-trophical	Available	Available	Timber wood	wild	nil	self addressed	
Safed siris	Albizzia procera	Sub Tropical	Available	Available	Medical Use & Timber	Medical use	Unknown	self addressed	
Ber	Ziziphus jujuba	Sub Tropical	Available	Available	Medical Use & Timber	Medical use	Unknown	self addressed	
Kimu	Morus serrata	Sub Tropical	Available	Available	Timber wood	wild	Nil	self addressed	
Beoul	Grewia oppositifolia	Sub Tropical	Available	Available	Timber wood	wild	Nil	self addressed	
Sagwan	Tectona grandis	Sub Tropical	Available	Available	Timber wood	wild	Nil	self addressed	
Dhaman	Grewia optiva	Sub Tropical	Available	Available	Timber wood	wild	Nil	self addressed	

	Format 27 A: Coastal and Marine Flora									
1	2	3	4	:	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local	Status	Parts Collected	Commercial Uses	Other Uses	Associated TK	Community/ Knowledge Holder
Trant Type	Local Name	Scientific Ivalife	Habitat	Past	Present	(if any)	(if any)			Knowledge Holder
						Nil			•	

	Format 27 B: Coastal and Marine Fauna									
1	2	3	4	:	5	6	7	8	9	10
A i al T a	LandNama	Caiantiffa Nama	Habitat	Local	Status	Parts	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder
Animal Type	Local Name	Scientific Name	Habitat	Past	Present	Collected (if any)				
						Nil				
				_	_					

	Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibia, Insects, others)											
1	2	3	4	5	6	7	7	8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season	Local	Status	Uses (if any)	Associated	Mode of Hunting,	Other details	Community/ Knowledge Holder
Ammai Type	Local Name	Scientific Ivaine	Habitat	Description	when seen	Past	Present	Uses (II ally)	TK	collecting (if any)		
Mammals	Chitra	Panthera pardus	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Jungali Billi	Felis chaus	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Mangoose	Herpsters aurpunctatus	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Indian Fox	Vulpes bengalensis	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Five Stripped Palm Squirrel	Funambulus penanti	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Field Mouse	Mus boodnga	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Indian Porcupine (sahi)	Hustrix indica	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Leopard	Panthera pardus	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Reptiles	Snake	Serpentes	jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Squirrel	Sciuridae	jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Wild boar	Sus scrofa	jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Porcupine	Erethizon deosatun	jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Mammals	Fox	Vulpes vulpes	Jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Birds	Jungle fowl	Gallus	jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed
Amphibian	Frog	Anura	jungle	Monsoon		available	available	Unknown	Unknown	Unknown	Nill	self observed
Birds	Grey francolin	Francolinus pondicerianus	jungle	All seasons		available	available	Unknown	Unknown	Unknown	Nill	self observed

	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.)		

**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.)				

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

	Format 31: Any other information of local importance								
1	2	3							
Sr. No.	Information of local importance	Remarks							
1	Every year on 4th of June a free wrestling "Dangal" is organised in the village of Dhambra East.								