Peoples' Biodiversity Register (PBR): General Details
Name of the Panchayat Samiti: Narayana Lower
Taluk/Tehsil: Khour
District: Jammu
State/UT: Jammu And Kashmir
Geographical Area of the pancahayt Samiti:
Population Of the Panchayat samitiTotal 6000 aprox
Male= 62 % Female = 48 %
Habitat and Topography: Sub Tropical
Climate (Rainfall, Temperature and other weather patterns): Moderate, Sub
Land Use (Nine fold classification available with village records): Agriculture
Date, Month and Year of PBR preparation: 10/ Jan/ 2022

### Annexure 1:

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

S.No.	Category	Name	Age	gender	Adress	Area of Specialization
1	Chairperson	Sharda Devi	38	F	Narayna Lower	Housewife, Sarpanch
2	Member	Minakshi devi	32	F	Narayna	Panch
3	Member	Sushma devi	35	F	Narayna	Housewife
4	Member	Rachpal Singh	48	М	Nandwal Upper	-
5	Member	Chain Singh	67	М	Narayna	Ex-Servicemen
6	Member	Charan Singh	66	М	Narayna Lower	-
7	Member	Yashpal singh	30	М	Narayna	_

						•
А	n	n	eχ	П	re	Z.

List of Vaid/Hakims and Traditional health care(human and livestock) practitioners residing and or using biological resources occuring with in the jurisdication of the village

S.no	Block	Panchayat	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
1	Khour	Narayana Lower	nil	-	-	-	-	-	1	-

## Annexure 3

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

S.no	Block	Panchayat	Name	Ago	Gender	Address	Area of	of Specialization			
5.110	DIOCK	ranchayat	Name	Age	Gender	Audress	Agriculture	Fisheries	Forestry		
1	KHOUR	Narayana Lower	-	-	-	-	-		-		

Annexure 4
Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR
1) Contact Person: NIL
Name and Address: nil
2) Contact Person: NIL
Name and Address: nil
3) Contact Person: NIL
Name and Address: nil
4) Contact Person: NIL
Name and Address: nil
You may add more names of Individuals/NGO/Institutions etc, if necessary

### **Annexure 5** Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing 1 2 3 4 5 6 Anticipated mode of sharing benefits or quantum of benefits Date and resolution of the BMC Name and address of the Local and Scientific Name of the **Detail of collection fee** Person/Institute/company biological material Accessed and and endorsement by the pyt. imposed quantity Panchayat others shared Khour nil nil nil nil nil

### **Format 1 Crop Plants** 2 3 5 6 7 8 9 11 12 13 4 10 14 1 Local status Community Source of Description of the | Landscape / Cropping Scientfic Associated Other details S.No Crop Local Name Special features Uses Seeds / Known. TK Name variety Habitat Season **Plants** Holder Past Present B-370(Fine & Long Basmati 370 is world Normal Normal duration) wise known for its aroma **Provides** Farmers / Planes / Food & Kharif (May Department energy Rice Oryza sativa | Dhan/ Munji Low laying Farmers Basmati Fodder to October) / Privaate fragrance Areas 1121/(Coarse K39 Medium tall Coarse and taste Suppliers Normal Normal K434 Rattana & Grains Long duration Tall, high yielding with Dekalb double Rare Plenty yellow in colour) K-517 Plenty Rare Farmers / Kharif (May Department Sub tropical Food & Provides 2 Maize Zea mays Maka Average tall with yellow Farmers Upland Fodder energy to October) / Privaate Ujala Normal Plenty in colour Suppliers K-612 Normal Plenty Tall, high yielding with Pro Agro-4794 Plenty Normal yellow in colour) Hot / Humid Farmers / PDM-54 Normal Medium Rare Source of Also suitable of Sub Summer/ Department 3 Moong Vigna radiata Moong Vegetable for green Farmers Food / Privaate tropical Kharif Protein Manuring Excessive vegetative Suppliers IPM-0203 region Rare Normal growth Warm / PU-19 Normal Farmers / Normal Source of Humid of Department Summer/

Lich midding Variate

Vacatabla

Eaad

Mhaa

4	IVIASII	v igna mungo	iviiiaa	Utra	Sub tropical region	Normal	Normal	rngn yieiding variety	гооц	Vegetable Protein	-	Kharif	/ Privaate Suppliers	ranners
5	Daine	Pennisetum	D-:	Local Variety	Warm / Humid climate	Normal	Normal	Tall & low Yielding	Food &	Source of		Kharif (May	Farmers / Department	Farmers
5	Bajra	americanum	Bajra	MHB-110	under Sandy loam Soil	Normal	Normal	variety	Fodder	Energy	-	to October)	/ Privaate Suppliers	ranners
6	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/Brea d making	Rabi	Farmers / Department / Privaate Suppliers	Farmers
7	Lentil	Lens esculantum	Masar	PL406	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/Ener gy	Improve soil fertility	Rabi	Farmers / Department / Privaate Suppliers	Farmers
8	Chick-pea	Cicer arietinum	Chana	GNG-469/C 235	Cool & dry	Normal	Normal	High yielding Variety	Food	Source of Protein/Ener gy	Improve soil fertility	Rabi	Farmers / Department / Privaate Suppliers	Farmers
9	Peas	Pisum sativum	Matar	Rachna	Cool & dry	Normal	Normal	Early maturing &High yielding	Food	Source of Protein/Ener gy	Used as Vegetable	Rabi	Farmers / Department / Privaate Suppliers	Farmers
10	Onion	Allium cepa	Gandey	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Abundant	Abundant	Bulbs Cash Crop	Vegetab gles	Vegetable	Staple Vegetable food	Rabi	Farmers / Department / Privaate Suppliers	
11	Mustard	Brassica juncea/ Brassica compestris	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

12	Gobhi Sarson	Brassica napus	Gobhi Saria	GSL-1,DGS- 1 ,Local	Cool & dry	Normal	Abundant	Annual Herb, yellow flowers bearing Pods	oil for Food,leave s used as vegetable	Source of energy i,calciam,co pper,potassi um	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department / Privaate Suppliers	Farmers
13	Linseed	Linum usitatissimum	Alsi	LC 54	Cool & dry	Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,indu strial & domestic use	Rabi	Farmers / Department / Privaate Suppliers	Farmers
14	Potato	Solamum tuberosum	Aalo	Kufri Sindhuri,Kufri Badsha, local	Potato is an herbaceous annual,requir s cool weather,most ly rainfed conditions	Abundant	Abundant	Tubers are round to ovoid, creamish white to light red in colour with shallow eyes	Under ground tubers are used as vegetable,c hips etc	-	High carbohydrate,p rovide high n energy value	Rabi	Farmers / Department / Privaate Suppliers	Farmers
15	Toria	Brassica j. rape 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,co pper,potassi um	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department / Privaate Suppliers	Farmers
16	Sesame	Sesamum indicum	Til	Punjab Til No.1/local	Warm / Humid of Sub tropical region	Normal	Normal	Medium Yielding	Food	Source of Vegetable oil	Religiuos and medicinal value	June - Oct.	Farmers / Department / Privaate Suppliers	Farmers
17	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

18	Chilli	Capsicum spp	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,gr ows well warm humid conditions	Abundant	Abundant	Pungency and flavor	Used as spice ,medi cianal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department / Privaate Suppliers	Farmers
19	Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Abundant		Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable,s alad, soup,Souce	rich source of Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department / Privaate Suppliers	Farmers
20	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 carbohydratesr y	Summer/ Kharif	Farmers / Department / Privaate Suppliers	Farmers
21	Cucumber	Cucumis sativus	Kheera	Kheera local,JL	Grows in all climatoic conditions,Tr opical,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
22	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
23	Bitter gourd	Momordica charantia	karela	Pusa Domausmi/Kundan	Warm and Humid climate	Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maitaining low suger level	Summer/ kharif	Farmers / Department / Privaate Suppliers	Farmers

24	Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/l oamy soil	Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein,Vitami neB1,B2 <b6 and Maganese</b6 	Summer season	Farmers / Department / Privaate Suppliers	Farmers
25	Cauliflow er	Brassica oleracae var.botrytis	Fol gobi	Pusa snow ball,Pusa Katki,local Girja	Both sub tropical &intermediat e	Abundant	Abundant	White and tender head ,curdformed from shortened flower part	Curd Mainly used as vegetable	-	Also good sourse of protein,carboh ydrate,phaspho rus& iron	Rabi	Farmers / Department / Privaate Suppliers	Farmers
26	Cabbage	Brassica oleracae var.capitata	Band gobi	Golden Acre,Pride of India,Green Flesh	Both sub tropical &intermediat e	Abundant	Abundant	Round head withlight to dark green colour	Head Mainly used as vegetable,s alad	-	Also good sourse of protein,carboh ydrate,phaspho rus& iron	Rabi	Farmers / Department / Privaate Suppliers	Farmers
27	Knol khol	Brassica oleracae var.gongyloid es	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
28	Spanich	Spinacea oleracea	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
29	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

30	Carrot	Daucus carota	Gajer	Pusa Kesar,local	Cool &moist climate/ sub tropical& intermedite		Abundant	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.	Good source of carotene, , lutein, and zeaxanthin.Vit A,C,B6,Folic acid	Rabi	Farmers / Department / Privaate Suppliers	Farmers
31	Turnip	Brassica rapa	Gunglu /Shalgam	DTWC/Least	Cool &moist climate/sub tropical&inte rmedite	A buyan dome	Abundant	Modified Root is eatable	Root is used as Vegetable, Salad,.	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department / Privaate Suppliers	Farmers
32	Exocitic Vegetable s	Brocolli// Chinese Cabbage / Capsicum etc.		Prevelent Hybrid	Cool &moist climate/sub tropical&inte rmedite	Doro	Abundant	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

					Forn	nat 2: Fru	it Plants					
1	2	3	4	5		6		8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape /	Local	Status	Source of	Season of	Associated TK	Uses	Other details market /	Community /
Tiant	Scientific Name	Local Name	variety	Habitat	Past	Present	Seeds/Plants	Fruiting	Associated TK	USES	own use	Knowledge holder
	Magnifera indica	Aam										
	Citrus X sinensis	Santrey										
	Eriobotrya japonica	Loquat										
	Psidium guajava	Amrood										
	Citrus nobilis x Citrus deliciosa.	Kinnu										
	Citrus limon	Nimbu										
	Citrus pseudolimon	Gargal										
	Citrus Medica	Kimb										

### Format 03 Fodder Crop/ Species 12 2 3 4 5 7 8 9 10 11 13 6 **Local Status** Other Area Sources of Landscape/ Community S. No. Seeds and Plant Scientific Name Local Name (Approx.)Rabi/ Part Used Associated TK details(mode Habit Habitat Kn. Holders Kharif of use) **Plants** Past Present Nutritious & palatable Farmers Trifolium Sub Humid & Chhatala fodder, Source Barseem Annual Abundant Abundant Entire Plant Fodder alexandrium moderately cool Farmers / of energy for Department/ animals Privaate Suppliers Farmers Nutritious & Cool & moist Above ground Abundant palatable 2 Oats Avena spp. Javi Annual Abundant Fodder climate part of plant fodder, Farmers Above ground Source of 3 Sorghum Sorghum spp. cherri Annual Warm & humid Abundant Abundant Fodder part of plant energy Farmers / Department/ Privaate Farmers Suppliers Above ground Food & Source of 4 Maize Zea mays Makki Annual Warm & humid Abundant Abundant part of plant fodder energy Farmers Pennisetium Above ground Source of Food & 5 Bajra Bajra Annual Warm & humid Abundant Normal part of plant americanum fodder energy Farmers / Department/ Privaate Kharif Legume Farmers Suppliers Vigna Above ground 6 Cowpea Rongi Annual Warm & humid Abundant Normal with high Fodder unguiculata part of plant protein Bassain Makkhan

					I	Format 04	Weeds						
1	2	3	4	5	6	7		8	9	10	11	12	13
S. No.	Plant	Scientific	Local Name	Affected Crop	Habit	Landscape/	Local	Status	Uses if any	Management	Associated	Other details	Community
5.110.	1	Name	20cm Prame	Timeeted Grop	11401	Habitat	Past	Present	eses ii uniy	options	TK	other details	Kn. Holders
1	Pig Weed	Amaranthus virdis	Jangli Choulai	Rice, Maize & sugarcane	Annual herb	Agri. Land	Normal	Normal	Eaten as boiled green veg	Physical, Mechanical, Chemical	Rich Source of protein & amino acid	Also Used as medicinal herb	Farmers
2	Lamb's quarters	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
3	Nut Grass	Cyprus rotundus	Dilla/Motha	Paddy,maize,su garcane,vegetab le	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers
4	Barnyard Grass	Echinochloa crusgalli	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
5	Carrot grass	Parthenum hysterophorus	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers

6	Bur Clover	Medicago denticulata	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,veget able & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
7	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
8	Meadow Pea	Lathyrus aphaca	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Bang	Cannabisindica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
10	Dub Grass	Cynodon dactylon	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	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

	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				
	Grasshopper		Bhau kutta		June-July	Agricultural Department							
	Catterpilar												

		Fo	ormat 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
nil	nil	nil	nil	nil	nil	nil	nil	nil

	Format 7: Peoplescape												
1	2	3	4	5	6	7	8	9	10	11			
Community & Population	Families & Major occupation	Sub-occupation	Depending Landscape	Major resources accessed and season of access	Landscape management practices	Resource management practices	Cast/tribe	Social condition	Nature of inhabitants	No. of HHs			
					Check Dam  Nallah Bank Erosion	Check Dam  Nallah Bank Erosion							
Hindu, Muslim,				Paddy (June to	Structure (Protective Banks)	Structure (Protective Banks)							
Sikh (Total Population 48584) Muslims are their before	Government Services, private services, Agricul ture, Live stock	es, private es, Agricul Labourers Live stock		ending July),Maize (April to ending may),Wheat (Oct to Nov),Mustard	Concrete Channel	Concrete Channel	General cast/Scheduled Cast/Scheduled tribes	Average	Farmers,Laboure	11,373			
1947	etc			(Sep/Oct) Lined Channel		Lined Channel							
					Water Harvesting Structures	Water Harvesting Structures							

	Format 8: Landscape													
	1		2	3	4	5	6	7	8	9	10	11	12	
Major	Landscap	es	Sub -	Features and			General	User	Management		Associated	Other	Community	
Agricultural land	Pond		Landscapes	approx. Area	Ownership	General flora	fauna	groups	practices	General uses	TK	details	accessed	
Plains &	Plains & Kandi areas		Plains	hilly as wellas	Forest land,Private ,sta te lands,	Broad leaved mainly	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also		Plantation and agriculture				
			Hillocks	plain terrain with gentle slope	Forest land,Private ,sta te lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also		Plantation and agriculture				
Shiv	Shiwalik areas		Hills	Hills with gentle slopes	Forest land,Private ,sta te lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public,as well as pvt,and Govt also		Plantation and agriculture				

### Format 9: Waterscape 2 3 5 7 8 9 10 11 12 13 1 4 6 Waterscape General Features and Management Other Community Sub- type Ownership General flora General fauna Major uses User groups Associated TK element type practices details accessed approx area uses Forest land and Cattles, washing cloths, Irrigation Frogs, fishes, public **Ponds** kamal,Baryan, snakes, snail, irrigation, Drinking etc Private land Department Forest land and Taali, lasuni, Frogs, fishes, Cattles, washing cloths, public Streams irrigation, Drinking etc Private land cicker snakes, snail, Forest land and Frogs, fishes, Cattles, washing cloths, public Tube well irrigation, Drinking etc Private land snakes, snail, Frogs, fishes, Cattles, washing cloths, public (Not Dug wells Private irrigation, Drinking etc snakes, snail, working) Frogs, fishes, Cattles, washing cloths, public Private Canals Partap canal irrigation, Drinking etc snakes, snail, Frogs, fishes, Cattles, washing cloths, Hand pumps 15 Private public snakes, snail, irrigation, Drinking etc

# Format 10: Soil type

1	2	3	4	5	6	7	8	9	10
S.No.	Soil	Туре	Colour	Features	Soil management	Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
1	Sandy Loam	Туре В	Soft Dark	Large particle size,Water drains Rapedily	Add compost,humus, Green Manuring, Decomposed manure etc improves soil quality for better plant growth	Beans, Tomato, Potato, Cucumber, onion, eggplants, carrot, Spinach etc.	Succulants like cacti, Lambs ear, etc.	-	Genrally not suitable for plants which need lot of water
2	Clay Loam	Туре А	Light yellow to raddish colour	Small particles size,Texture dense and compact, retains water and nutrition	Provide good drainage, add organic manure in the form of compost or humus	Plants/Cron Suitable	Ornamental Plants/ grasses, plants with evergreen leaves,colourful Berries	-	Soil is good for wild varieties of crops, however drainage is a problem

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

Ber	Ziziphus mauritiana lamk	Ber	Gola, Varanasi	Tree, Regular Bearing	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit	Own Use	
Jamun	Syzygium cumini	Jamun	Local Selection	Tree, Regular Bearing	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit	Own Use	
Pomegranate	Punica granatum	Anaar, Druni	Ganesh, Kandhari, Local	Tree, Regular Bearing, Shrub	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana	Own Use	
Peach	Prunus persica	Aaroo	July Elberta, Quetta	Tree, Regular Bearing	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit	Own Use	
Papaya	Carica papaya	Papita	Local	Tree	Plains	Rare	Plenty	Nurseries, Localy Raised	Aug - Oct	Fruit	Own Use	
	Morus alba	Muburry										

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

1	2	3	4	5	6	,	7	8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/	Source of	Local	status	Uses (usage)	Part used	Associated TK	Other details	Community/ Know.
Frant Type	Local Name	Scientific Name	variety	Habitat	plant/seeds	Past	Present	Uses (usage)	rart useu	Associated 1 K	market/own	Community/ Know.
Herbs	Dudlu	Taraxacum officinale		Temperate area	Root	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Herbs	Jungli putna	Mentha arvensis		Lower shiwalik/Temper ate area	Root	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Trimuru	Zanthoxylum aurmatum		Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	brankad	Adhatoda vesica		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Shrubs	Drainkdu	Murraya koenigii		Sub-Tropical area	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	Euphorbia royleana		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bareyan	Acorus calamus		Lower shiwalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bhang	Canabis sativa		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Tree	Amla	Phyllanthus emblica		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Bair	Ziziphus xylocarpa		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Bheda	Terminalia bellerica		Lower shiwalik	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community

Tree	Bill-Patre	Aegle mermelos	Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	Melia azadirach	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Harad	Terminalia chebula	Lower shiwalik	Seed	Abundant	Abundant	Good for digestion	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Jaman	Syzygium cumini	Lower shiwalik	Seed	Abundant	Abundant	maintains sugar level in human body	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Kakad-Singhi	Pistacia khinjuk	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Karal	Bauhinia variegata	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Flower	N.A	N.A	Generally, held by community
Tree	Khair	Acacia catechu	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Kringal	Casia fistula	Lower shiwalik	Seed	Abundant	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Lasuda	Cordia dichotoma	Lower shiwalik	Seed	Rare	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mango	Mangifera indica	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Sree	Albizzia lebbeck	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Talli	Dalbergia sissoo	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Trimbal	Ficus auriculata	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Tunu	Toona ciliata	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community

Tree	Arjun	Terminalia arjuna	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Bheda	Terminalia bellerica	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Amla	Emblica officinalis	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	Azadirachta indica	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
tree	Khair	Accacia catechu	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Shrubs	Bhang	Cannabis sativa	Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
	Board	Ficus benghalensis									
	Peepal	Ficus religiosa									
	Malburry	Morus alba									

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

	Format 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/ Know. holder				
Tree	kringal	Casia fistula		Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community				
Tree	Gandera	Nerium oleander		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community				
Tree	Thub	Erythrina indica		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community				
Tree	Badah	Salix alba		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community				
Climber	Kareer	Rosa acicularis		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community				

### Format 14: Timber Plants / Trees 10 2 3 4 5 6 7 8 9 1 Local status Wild/ home-Other uses Associated TK Other details Community/ Know. holder Plant Type **Local Name Scientific Name** Habitat garden (multi) **Past Present** Kiker Generally, held by community Trees Acacia nilotica Lower shiwalik Rare Rare Wild nil nil own Wild/ home-Generally, held by community Trees Mangoo Mangifera indica Lower shiwalik Abundant Abundant nil nil own garden Trees Safeda Lower shiwalik Wild Generally, held by community Eucalyptus spp. Rare Abundant nil nil commercial Albizzia lebbeck Abundant Wild Generally, held by community Trees Sree Lower shiwalik Abundant own nil nil Talli Dalbergia sissoo Abundant Wild Generally, held by community Trees Lower shiwalik Abundant nil nil own Tuni Toona ciliata Lower shiwalik Abundant Wild Generally, held by community Trees Abundant nil nil own Trees Popular Populus ciliata Lower shiwalik Rare Abundant Wild nil nil Generally, held by community own Lower shiwalik Wild Generally, held by community Trees chir Pinus roxburghii Rare Rare nil nil own Wild Generally, held by community Trees Jammun Syzygium cumini Lower shiwalik Rare Abundant own nil nil

## **Format 15: Domesticated Animals**

1	2	3	4	5	6	7		7		8	9	10	11	12
Animal	Local Name	Scientific Name	Breed (local/	Features	Method of keeping	Local status		Uses	Associated	Commercial	Other details including products	Community Know.		
Туре	Local Name	Scientific Ivame	hybrid)	reatures		Past	Present	Uses	TK	rearing	and services	Holders		
Sheep	Bhaed	Ovis aries	Local (Non descript)	Small size, low body weight, rough body coat	Statonary	Pleny	Moderate	Mutton, wool, skin and manure	Yes	Some	Mutton, wool, skin and manure bones hide and gut	Locals		
Sheep	Bhaed	Ovis aries	Rambouillet cross	Large size, fine wool, with long legs mostly white in color	Statonary	Pleny	Rare	Mutton, wool, skin and manure	Yes	Some	Mutton, wool, skin and manure bones hide and gut	Locals		
Goat	Bakri	Copra	Beetal Crosses	Large size, high body wt. mostly black & brown body color	Statonary	Pleny	Rare	Chevon milk, skin, hair and manure	Yes	Some	Chevo, milk skin, hair, bones, hide and gut	Locals		
	Hen	Gallus gallus domesticus				Pleny	Rare							
	Godi	Equus												
	Cow	Bos tarus	Holstein/ Jersey											
	Buffalo	Bubalus bubalis	Murrah/ japfrabadi											

Format 16: Culture Fisheries												
1	2	3	4	5	6	8	9	10	11	12		
Fish Type	Local name	Scientific Name	Variety	Features	Waterscape (Pond/bheri/talao)	Local status		Usos	Associated TK	Commercial	04114-7-	Community
Fish Type						Past	Present	Uses	Associated 1K	rearing	Other deatails	Know. Holders
	Local Fish					Plenty	Rare					

	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			
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil			

#### FORMAT 18: Trees, Shrubs, Herbs, Tubers, Grasses, Climbers etc 2 3 5 7 8 9 10 11 1 4 6 Local status Commercial/own Part Community Scientific Name Plant Type | Local Name Habit Habitat Associated TK Other details collected Knowledge Holder use **Past** Present Northern/Sub-Commercial/own Moderate Stem, Timber Tree Shisham Dalbergia sisoo Tree Good Tropical use Northern/Sub-Commercial/own Timber/ Khair Acacia catechu Good Moderate Katha Tree Tree Tropical Firewood use Northern/Sub-Commercial/own Emblica officinalis Moderate Food processing Tree Amla Tree Good Fruit Tropical use Timber/ Northern/Sub-Commercial own Siris Albizziz lebbeck Moderate Tree Tree Good Tropical use Firewood Timber/ Northern/Sub-Commercial/own Tree Chir Pinus roxburghii Tree Good Moderate Resin **Tropical** Firewood use Northern/Sub-Commercial/ own Timber/ Leucaena leucocephala Good Moderate Tree Lecunia Tree Tropical Firewood use Northern/Sub-Commercial/own Timber/ Simbal Bombax cebia Tree Good Moderate Tree Tropical Firewood use Northern/Sub-Commercial /own Timber/ Kamila Mallotus philippensis Good Moderate Tree Tree **Tropical** Firewood use Northern/Sub-Commercial/own Timber/ Cassia fistula Moderate Tree Krangal Tree Good **Tropical** Firewood Commercial /own Northern/Sub-Tree Ber Ziziphus jujuba Tree Good Moderate Fruit Tropical Northern/Sub-Commercial/own Timber/ Plash Butea monosperma Good Moderate Tree Tree **Tropical** Firewood Commercial/own Northern/Sub-Timber/ Moderate Tree Arjun Terminalia arjuna Tree Good Tropical Firewood use Northern/Sub-Commercial/own Timber/ Syzygium cumini Good Moderate Tree Jamun Tree Tropical use Firewood

Dland Tone	Land Name	Scientific Name	II-L:4	Habitat	Local status		Commercial/own	Part	A TIV	Other details	Community
Plant Type	Local Name	Scientific Name	Habit	Habitat	Past	Present	use	collected	Associated TK	Other details	Knowledge Holder
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	-		-	-	-

Plant Type	Local Name	Scientific Name	Habit	Habitat -	Local status		Commercial/own	Part	Associated TK	Other details	Community
					Past	Present	use	collected	Associated TK	Other details	Knowledge Holder
Tree	Phulai	Acacia modesta	Tree	Northern/Sub- Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
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	Diascorea alata	Climber	Northern/Sub- Tropical	Good	Moderate	_				
Climber	Striped cucumber	Diplocyclos palmatus	Climber	Northern/Sub- Tropical	Good	Moderate	-				

	Format 19: Wild Plant Species of Importance										
1	2	3	4	5	6						
SI.No	Local Name	Scientifice Name	Variety	Importance(as economic,social,cultural etc.)	Status						
1	Santha	Dodonaea viscosa Shrub Firewood									
2	Kanner/Lal Gandila	Nerium indicum	Shrub		Good						
3	Daduni	Punica grantum	Shrub	Live Hedge fencing	Good						
4	Brenker	Adhatoda vasica	Shrub	-	Good						
5	Bhang	Cannabis sativa	Shrub	Medicinal	Good						
6	Aakh	Ipomea cornea	Shrub	Soil binder	Good						
7	pansar	Wendlandia heynei	Shrub	Firewood	Good						

# Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9
	Scientifice				Local	Status			Community/
Local Name	Name	Variety	Features	Habitat	Past	Present	Associated TK	Other details	Knowledge 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			
Carp	Cyprinus carpio		Dorsal fin base longh wioth 17-22 branched rays and a strong toothed spine in front, pharyngeal teeth 5:5 teeth with flattened crowns.		Good	Good			
Broun trout	Salmo trutta		An average length of 40-80 cm with a maximum length of 140 cm the spawning behaviour of brown trout is similar to that of the closely related atlantic salmon.		Good	Good			
Turtle	Testudines		Turtles spend most of their lives in water, they are adapted for aquatic life, freshwater turtles live in ponds and lakes, and they climb out of the water onto logs or rocks to bask in the warm sun		Good	Moderate			
Sago pondweed	Potamogeton pectinatus		is a perennial ata a fast rate, it is in flower from may to september. The species is hermaphrodite (has both male and female organs ) and is pollinated by wate.  It is noted for attracting wildlife.		Good	Good			
Lotus	Nelumbo nucifera		edible, with rhizome ,seeds, and leaves have been used as folk medicine, ayurveda and oriental medicine		Good	Good			
Water Spinach	Ipomoea aquaticum		it contains abudnat quantities of water, iron, vitaminC, Vitamin A and other nutrients		Good	Good			
Watercress	Rorippa nasturtium - aquaticum		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 21: Wild Aquatic Plant Species of Importance											
1	2	3	4	5	6							
SI.No	Local Name	Scientifice Name	Variety	Importance	Trends							
1	Lotus	Nelumbo nucifera		edible, with rhizome ,seeds, and leaves have been used as folk medicine, ayurveda and oriental medicine								
2	Water Spinach	Ipomoea aquaticum		it contains abudnat quantities of water, iron, vitaminC, Vitamin A and other nutrients								
3	Watercress	Rorippa nasturtium - aquaticum		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								

#### Format 22: Wild Plants of Medicinal Importance 3 5 9 **10** 2 6 7 8 1 4 **Local Status** Plant Community/Knowledge Other details (Herb,Shrub, Local Name Scientific Name Variety Landscape/Habitat Uses (usage) Part used market/own use Holder Tree) Past Present Terminalia arjuna Northern/Sub-Tropical Medicinal Tree Arjun Tree Good Good Bark Emblica officinalis Medicinal Bark/ Fruit Northern/Sub-Tropical Tree Amla Tree Good Good Terminalia chebula Northern/Sub-Tropical Bark/ Fruit Tree Harad Tree Good Good Medicinal Northern/Sub-Tropical Medicinal Bark/ Fruit Terminalia bellerica Tree Behra Tree Good Good Pongamia pinnata Northern/Sub-Tropical Medicinal Tree Sukchain Tree Good Good Bark Syzygium cumini Northern/Sub-Tropical Fruit /seeds Tree Jamun Tree Good Good Medicinal

	Format 23: Wild relatives of Crops												
1	2	3	4	5	5	6	7	8	9	10			
Local Name	Scientific Name	Associated crop	Landscape/ Habitat	Local Status  Past Present		Uses (usage)	Part Used	Associated TK	Other details	Community/Know holder			

NIL

### Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/Non- Commercial Uses	Associated TK	Any other Detail	Community/Knowledge Holder
Gandila	Nerium indicum	Shrub	Northern/ Sub-Tropical	-	-	-	-
Panjtara	Tara spinosa	Shrub	Northern/ Sub-Tropical	-	-	-	-
Bougainvillea	Bougainvillea glabra	Shrub	Northern/ Sub-Tropical	-	-	-	-
Gulmohar	Delonix regia	Tree	Northern/ Sub-Tropical	-	-	-	-
Jaismin	Jasminum						
Gulab	Rosa spp.						
Marigold	Targetes						

	Format 25:Fumigate/Chewing Plants											
1	2	3	4	5	6		7	8	9	10	11	
Plant (Herb,Shrub,	Local Name	Scientific Name	Variety	Habitat	Local	Status	Uses	Part used		Other details	Community / Knowledge	
Tree)	Local Name	Scientific Ivallie	variety	Habitat	Past	Present	(Usage)	1 art useu	TK	(mode of use)	holder	
Herb	Pudina	Mentha spp.		Homestead, agricultural land	Abundant	Abundant	Spice	leaves				
Tree	curry tree	Murraya koenigii		moist forest and agricultral land	Abundant	Abundant	Spice	leaves				
Herb	wild Tulsi	Ocimum sanctum		Moist soil	Abundant	Abundant	Medicinal	leaves				

### Format26: Timber Plants

1	2	3		4	5	6	7	8		
Landa	Co. Maria	H.124.4	Local	Status	Other House of the	Americanteriz	Odbor Doda II.	Community /Knowledge		
Local Name	Scientific Name	Habitat	Past	Present	Other Uses ,if any	Associated TK	Other Details	holder		
Chir	Pinus roxburghii	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		
Shisham	Dalbergia sissoo	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		
Ber	Ziziphus jujuba	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	•		
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	-	-		
Simbal	Bombax ceiba	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		
Tunu	Cidrela toona	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		
Jamun	Syzygium cumini	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-		

	Format27 A:Coastal and Marine Flora												
1 2 3 4 5 6 7 8 9 10								10					
Plant Type	Local Name	Scientific		Habitat	Local	status	Part collected	Commercialuses(if any)	Other Uses	Associated TK	Community		
		Name		Past	Present					Knowledge Holder			

NIL

	Format 27 B:Coastal and Marine Fauna												
1	1 2 3 4 5 6 7 8 9 10												
Animal Type	Local Name	Scientific Name	Habitat	Local status		Part collected (if	Commercial uses	Other Uses	Associated TK	Community			
Ammai Type	Local Name	Security Name	Habitat	Past	Present	any)	(if any)	Other Oses	Associated TK	Knowledge Holder			
	NIL												

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

1	2	3	4	5	6	•	7		9	10	11	
Animal Type	Local Name	Scientific Name	Habitat	Description	Season	Local	status	Uses ,if any	Associated TK	Other Details	Community Knowledge	
Timmar Type	Local Tame	Scientific Ivaine	Habitat	Description	when seen	Past	Present		71330clated 11x	Other Details	Holder	
Wild Animal	Leopad	Panthera Pardus	Northern/ Sub-Tropical	-	Winter	Good	Good	-	-	-	-	
Wild Animal	Squirrels	Sciuridae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Boar	Sus scofra	Northern/ Sub-Tropical	-	-	Good	Good	1	-	ı	1	
Wild Animal	Indian Hare	lepus nigricollis	Northern/ Sub-Tropical	-	-	Good	Good	-	-	ı	-	
Wild Animal	Monkey	Cercopithecidae	Northern/ Sub-Tropical	-	-	Good	Good	1	-	ı	-	
Wild Bird	Red jungle fowl	Gallus gallus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild bird	Rose ringed parakeet	Psittaculidae	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
Wild Animal	Fox	Vulpes	Northern/ Sub-Tropical	-	-	Good	Good	1	-	1	-	
Wild Animal	Porcupine	Erethizon dorsatum	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	
wild insects	Grasshooper	Parallelus	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-	

wild insects	butterfly	Chorthippus brunneus	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	Tortoises	Testudines	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-
Reptiles	Snake	Natrix	Northern/ Sub-Tropical	-	-	Good	Good	-	-	-	-

	Format 29: Flora												
1	2	3	4	5	6	7							
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)							
1	kikar	Acacia nilotica	Broad leave	sub tropical	summer	Common							
2	Mangoo	Mangifera indica	Broad leave	sub tropical	summer	Common							
3	Safeda	Eucalyptus spp.	Broad leave	sub tropical	summer	Common							
4	Sree	Albizzia lebbeck	Broad leave	sub tropical	summer	Common							
5	Talli	Dalbergia sissoo	Broad leave	sub tropical	summer	Common							
7	Popular	Populus ciliata	Broad leave	sub tropical	summer	Common							
9	Jammun	Syzygium cumini	Broad leave	sub tropical	summer	Common							

## Format 30: Fauna

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

Format 31: Any other information of local importance		
1	2	3
Sr. No.	Information of local importance	Remarks
	none	