Name of the Panchayat Samiti: MAGOWALI
Taluk: SUCHETGARH
District:Jammu
State/UT: J&K
Geographical Area of the Panchayat Samiti: Plain (29.89 HECTRES)
Population under the Panchayat Samiti:4890
Male2502 FEMAILE -2388
Habitat and Topography: main land
Climate (Rainfall, Temperature and weather patterns): AVERAGE TEMP40°C in summer & 8°C in winter
Land Use (Nine fold classification available with village records) Agriculture land- 235.5 ha & non- agri. Land- 16.6 ha
Date, Month and Year of PBR Preparation: 21/06/2022
Management Regime: Reserve Forest (RF/Joint Forest Management(JGM)/Protected Areas(PA)/ Community Owned and Managed Forest(COM) nil

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:MANJEET KOUR Age:42 Gender: FEMALE Address: R/OMAGOWALI Area of specialization: panchayati raj 2) BIMLA DEVI Age45 Gender: female Address: R/OMAGOWALI Area of specialization: 3)Name TARANJEET KOUR Age: 45 Gender: Female Address: R/OMAGOWALI Area of specialization 4)NameTILAK RAJ Age: 53 yrs Gender:male Address: R/OMAGOWALI Area of specialization: 5)Name:GARI LAL Age: 40 Years Gender:Male Address: R/OMAGOWALI Area of specialization: 6)NameKEWAL KRISHAN Age: 42 Yr. Gender: male Address: R/OMAGOWALI

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 TARSEM CHOUDHARY
Age: 41
Gender:MALE
Address: MAGOWALI
Area of specialization: heath care
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
2) Name:
Age:
female
Address:pindi
Area of specialization: child care
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:
3) Name:
Age
Gender:
Address:
Area of specialization:
Location from which the person accesses biological material:
Perception of the practitioner on the resource status:
Medicinal Use:

List of individuals perceived by the villagers to possess Traditional Knowledge (TK) related to biodiversity in agriculture, fisheries, and foresty
1) Name of the Chairperson:SUNIL KUMAR
MAGOWALI
Area of specialization: agriculture
3) Name of the Chairperson: Raj Kumar
Age: 40
Gender: Male
Address: Magowali
Area of specialization: Forestry
4) Name of the Chairperson: Prakash Chand
Age: 40
Gender: Male
Address: Magowali
Area of specialization: Fisheries

De inc	tails of schools, colleges, departments, universities, government institutions, non-governmental organization and lividuals involved in the preparation of the PBR
1)	Contact Person: bupindwer singh
	Name and Address: magowali
2)	Contact Person: Rashpal singh gill
	Name and Address: Magowali
3)	Contact Person:r/o
	Name and Address:
4)	Contact Person:
	Name and Address:
Yo	u may add names of more institutions/NGO/Individuals etc, if necessary

## Annexure 5

	Detail of access to biol	logical resources and traditional knowled	ge granted, details of the collection f
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
			NIL

End of Part I

ee imposed and details of the benefit	derived and the mode of their sharing
Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

## **Format 1: Crop Plants**

C.N.	G	6	T I Ni	Description of	Landscape /	Approx.	Loca	al status	Special	T1	A 1. TIZ	041 14.75	G	Source of Seeds /	Commununity /
S.No	Crop	Scientfic Name	Local Name	the variety	Habitat	Area sown(ha)	Past	Present	features	Uses	Associated TK	Other details	Cropping Season	Plants	Known. Holder
				B-370(Fine & Long duration)& SR- 30	DI / I	30 11 (1111)	Normal	Plenty	Basmati 370 is world wise known for its aroma	F 10	Provides energy		K1 :004	Farmers /	
1	Rice	Oryza sativa	Dhan/ Munji	Basmati 1121/(Coarse K39 K434 Rattana & Long duration	Planes / Low laying Areas		Normal	Normal	Medium tall Coarse Grains	Food & Fodder	fragrance and taste	-	Kharif (May to October)	Department/ Privaate Suppliers	Farmers
				PDM-54			Normal	Rare	Medium						
	Moong	Vigna radiata	Moong	SML-668	Hot / Humid of Sub		Normal	Plenty	High yielding Variety	Food	Source of	Also suitable for green	Summer/Kharif	Farmers / Department/	Farmers
2	Widong	v igna radiata	Widolig	IPM-0203	tropical region Warm /		Normal	Rare	Excessive vegetative growth	1.000	Vegetable Protein	Manuring	Summer/Knarn	Privaate Suppliers	rainicis
	Mash	Vigna mungo	Mhaa	PU-19	Humid of	1	Normal	Normal	High yielding	Food	Source of	_	Summer/Kharif	Farmers / Department/	Farmers
	iviasii	v igna mungo	Ivilida	Utra	Sub tropical		Normal	Normal	Variety	1000	Vegetable Protein		Summer/Knam	Privaate Suppliers	Tarmers
	Wheat	Triticum aestivum	Kanak	HD2967,PBW6 44	Cool Climate during early part of its growth		Plenty	Plenty	High yielding Variety	Food & Fodder	Source of Energy	Suitable for Chappati/Bread making	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
3	Lentil	Lens esculantum	Masar	PL406	Cool & dry		Normal	Normal	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
	Chick-pea	Cicer arietinum	Chana	GNG-469/C 235	Cool & dry		Normal	Normal	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
	Peas	Pisum sativum	Matar	Rachna	Cool & dry		Normal	Normal	Early maturing &High yielding	Food	Source of Protein/Energy	Used as Vegetable	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
4	Onion	Allium cepa	Gamd	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	
5	Mustard	Brassica juncea/ Brassica comprestris	Sarson	Pusa Bold/ KOS -1	Cool & dry		Normal	Normal	Matures in 145-150 days with 40-42 % oil content	oil for Food	Source of energy	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
5	Gobhi Sarson	Brassica napus	Gobhi Saria	GSL-1,DGS-1 ,Local	Cool & dry	ool & dry	Normal	Abundant	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy i,calciam,copper,po tassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

6	Linseed	Linum usitatissimum	Alsi	LC 54	Cool & dry	Normal	Normal	Medium duration	Food & fiber		Medicinal,indus trial & domestic use	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
7	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,chi ps etc	-	High carbohydrate,pr ovide high n energy value	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
8	Toria	Brassica jrape cv.Toria	Toria	RSPT-1,RSPT- 2,Local var.	Cool & dry with bright sunshine	Normal	Normal	Short durationAnnua l Herb	oil for prepration of Food	Source of energy i,calciam,copper,po tassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Privaate Suppliers	Farmers
10	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
11	Chilli	Capsicum spp	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,gro ws well warm humid conditions	Abundant	Abundant	Pungency and flavor	Used as spice ,medici anal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department/ Privaate Suppliers	Farmers
12	Tomato	Solanum lycopersicum	Tamater	Pusa rubi,Pusa early dwarf, Manisha Plus/local	Warm season crop	Abundant	Abundant	Stems are woody and weak, and tend to vine over other types of plants.	Used as vegetable ,sa lad, soup,Souce	Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
13	Okra	Abelmoschus esculentus	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropicall vegetablHot and humid climate	Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dieta fibers,protein and carbohydratesry	Summer/Kharif	Farmers / Department/ Privaate Suppliers	Farmers
14	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

15	Bottle gourd	Lagenaria siceraria	Lokki	PSPL/Punjab Long	Summer &rainy season crop
16	Bitter gourd	Momordica charantia	karela	Pusa Domausmi/Kun dan	Warm and Humid climate
17	Beans	Phaseolus Spp.	Phaliya	Contender	Cool weather crop/Sandy/l oamy soil
18	Cauliflower	Brassica oleracae var.botrytis	Fol gobi	Pusa snow ball,Pusa Katki,local Girja	Both sub tropical &intermediat e
19	Cabbage	Brassica oleracae var.capitata	Band gobi	Golden Acre,Pride of India,Green Flesh	Both sub tropical &intermediat e
20	Knol khol	Brassica oleracae var.gongyloides	Kadam	White vienna,Purple vienna	cool &moist climate/sub tropical
21	Spanich	Beta vulgaris	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils
22	Radish	Raphanus sativus	Mulli	Japanes White ,Koren Ete	Cool season Crop, thrives well on well drained Sandy loam soils
23	3 Carrot Daucus carota		Gajer	Pusa Kesar,local	Cool &moist climate/ sub tropical& intermedite

_									
	Abundant	Abundant	Vines vigrous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/kharif	Farmers / Department/ Privaate Suppliers	Farmers
	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
	Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein,Vitamin eB1,B2 <b6 and<br="">Maganese</b6>	Summer season	Farmers / Department/ Privaate Suppliers	Farmers
	Abundant	Abundant	White and tender head ,curdform ed from shortened flower part	Curd Mainly used as vegetable	-	Also good sourse of protein,carbohy drate,phasphoru s& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
	Abundant	Abundant	Round head withlight to dark green colour	Head Mainly used as vegetable,sal ad	-	Also good sourse of protein,carbohy drate,phasphoru s& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
	Abundant	Abundant	Swollen stem ,grren/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	1	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
	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
	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
	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.	-	Good source of carotene, , lutein, and zeaxanthin.Vit A,C,B6,Folic acid	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

24	Turnip	Brassica rapa	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&inte rmedite
25	Exocitic Vegetables	Brocolli// Chines Cabbage / Capsccum etc.		Prevelent Hybrid varieties	Cool &moist climate/sub tropical&inte rmedite
26			!	!	
27					
28					
29					
30					
31					
32					

Abundant	Abundant		Root is used as Vegetable ,Salad,.	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
Rare	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

**Format 2: Fruit Plants** 

1	2	3	4	5		6	7	8	9	10	11	12
					Loc	al Status						
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Past	Present	Source of Seeds/Plants	Source of Seeds/Plants Season of Fruiting		Uses	Other details market / own use	Community / Knowledge holder
Fruit	Mangifera indica	Aam	Local	Subtropical	plenty	plenty		may-sept				
Fruit	Citrus limon	nimbu	Local	Subtropical	plenty	plenty		throughout year				
Fruit	Litchi chinensis	litchi	Local	Subtropical	plenty	plenty		nov-dec				
Fruit	Citrus sinensis	santra	Local	Subtropical	plenty	plenty		dec-feb				
guava	Psidium guajava	amrood	Local	Subtropical	plenty	plenty		aug-feb				
	-											

**Format 3: Fodder Crops / Species** 

1	2	3	4		5	6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Past	Status Present	Source of Plants / Seeds	Associated TK	Part Used	Other details	Community / Knowledge holder
Barseem	Trifolium alexandrium	Chhatala	Annual	Abundant	Abundant	Farmers / Department/ Privaate	Nutritious & palatable fodder, Source of energy for animals	Entire Plant	Fodder	Farmers
Oats	Avena spp.	Javi	Annual	Abundant	Abundant	Suppliers	Nutritious & palatable fodder,	Above ground part of plant	Fodder	Farmers
Sorghum	Sorghum spp.	cherri	Annual	Abundant	Abundant	Farmers / Department/ Privaate Suppliers	Source of energy	Above ground part of plant	Fodder	Farmers

#### Format 04 Weeds

1	2	3	4	5	6	7	3	3	9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Affected	Habit	Landscape/		Status	Uses if any	Management	Associated	Other details	Community Kn.
5.110.	T tant	Scientific Paint	Eocal I value	Crop	Tiubit	Habitat	Past	Present	CSCS II ally	options	TK	Other details	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
3	Nut Grass	Cyprus rotundus	Dilla/Motha	Paddy,maize, sugarcane,ve getable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	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
8	Meadow Pea	Lathyrus aphaca	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	0	Farmers
10	Bang	Cannabis indica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
3	wild onion	Allium humile	Jangli payas	Onion	Annual herb	Temprate/sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers

## Format-5

#### Pest of Crops

Serial No.	PBR ID	Host	Animal	Scientific name	Local Name	Landscape/ Habitat	Time Attack	Management	Associated TK	Other Details	Community	Images
1		Mango	Insects	Amritous Atkinsoni	Tella	Field/orchard	Feb-April	Pestcide Prunning	Discourge HDP			
2		Mango	Insects	Drosicha Magiferae	Mealey Bug	Orchard	Feb Onwards	Pesticide, Basin Making	Hand Picking			
3		Citus	Insects	Paapilio Ledmoteus	Caterpillar	Orchard/Field	April- May & Aug Oct.	Pesticides, Other Cultural Methods	Smoking Bagging Dispose Off			
4		Citus	Insects	Euodocina Fullonia	Sucking Moth	Orchard/Field	Maturity Stage	Pesticides Orchard Sanitization				
5		Litchi	Insects	Gatesclarkeana Erotias	Fruit Nut birer	Orchard/Field	At pea stage	Pesticides, Basin Making Ploughing				
6		Guava	Insects	Bactrocera Dorsalis	Fruit Fly	Orchard/Field	Maturity Stage	Pesticides, Fruit Fly trape				

8 Wheat insects Puccinia stiriiformis yellow rust Field pesticides

Format 6: Markets for Domesticated anii

1	2	3	4	5
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
	Weekly	Sheep & Goats	4 tooth and above, 10 approx	Suchetgarh

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

## mals

6	7	8	9
Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish

Mules / Horses / Camels / Others (Specify)

## Format 7: Peoplescape

1	2	3	4	5	6
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices
SC, OBC, OC, Population 2915	Agriculture dariry labour	labour	Agri landscape dairy	Water milk	Satsifying different needs water traditinal approch
SC= 10%					
ST= 10%					
GENERAL=80%					

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, service Major resources accessed could be agriculture resources of different nature. How the community manages the landscapes they use for satisfying different n How the community manages the resources they access for satisfying different needs,

7	8	9	10	11
Resource management practices	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
Satisfied	general	Average	Average	552

es Examples of depending landscapes are agriculture landscape, rivers, forest etc. , fish, birds, water, mud, and etc

eeds, their strategies and perception their strategies and perception, conflicts etc

	1		2	3	4
Maj	or Landsca	pes		Feature s and	
Agricultur al land	Pon d	Fallo w land	Sub - Landscapes	approx. area	Ownershi p
Plair	ns & kandi a	urea	Plains	flat sweeping landmass with small change in elevation	Private and State lands
		-			

Provide a brief description of landscape

Format 8: Landscape

5	6	7	8	9	10	11
General flora	General fauna	User groups	Manageme nt practices	General uses	Associated TK	Other details
Broad leaved mainly Tali, Phagari, Beri, Plah, Jamun, Aamb, Amla, Kikar,Bodr,Drenk	Public as well as Pvt. And Govt. also		Aesthetic and scenic beauty in urban areas			

es such as forests, plantations, cultivated land, estuary, pond, lake or other elements

12
Community accessed

Format 9: Waterscape

1	2	3	4	5	6	7	8
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups
Ponds			State land and Private land	Tali, kamal, Brankad,Bori peepal and Khu Jari etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public
Streams			State land and Private land	Bana, aak, Khar Grass, Panjphuli Jari Etc	Frogs, Fishes, Snakes, Snail	Cattles, wasing Cloths, Irrigation, Drinking Etc.	Public
Tubewell			State land				

Examples: Ponds, Streams, Rivers, Lake, Canal, Tubewe

9	10	11	12	13
Management practices	General uses	Associated TK	Other details	Community accessed

ell, Dug well etc.,

# Format 10 Soil Type Block Suchetgarh Panchaya

S.No.	Soil	Туре	Colour	Features	Soil management
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
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

# ıt Parlah (District Jammu)

Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
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
Plants/Crop 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

Plant Type   Local Name   Scientific Name   Variety   Landscape/ Habitat   Local Status   Present   Plant   Present   Plant   Present   Plant   Present   Plant   Present   Plant   Present   Plant	1	2	3	4		6		7	8	9	10	11	12 Other details	13
Mango         Aam         Mangifera indica         Desi, Dusheri, Malta         Alternate Bearing         Plains         Plenty         Plenty         Nurseries         Jun-Aug         Fruit, Pickle, Preserves         Marketing, Own Use           Citrus Fruit         Khatti, Galgal, Nimbu, Santra, Kinnoo etc.         Citrus spp.         Local Selection, Kagzi Lime etc.         Plains, mid hills         Plenty         Plenty         Nurseries         Through Out Year         Fruit, Pickle, Preserves         Marketing, Own Use           Guava         Amrood         Psidium guajava         Local, L49 etc.         Tee, Regular Bearing         Plains, Lower Hills         Plenty         Nurseries         Jul - Aug         Fruit         Marketing, Own Use           Grapes         Angoor         Vitis vinifera         Local Dakh, Perlette         Vine, Regular Bearing         Plains, Mid Hills         Rare         Plenty         Nurseries         Jul - Aug         Fruit         Marketing, Own Use           Amla         Ambla         Phyllanthus emblica         Local Selection, NA-7         Tree, Regular Bearing         Plains         Plenty         Plenty         Nurseries, Local Collections         Nov Dec         Pickling Preserve etc         Marketing, Own Use           Ber         Ber         Ziziphus mauritiana lamk         Varanasi         Plains	Plant Type	Local Name	Scientific Name	Variety	Landsca	pe/ Habitat					Uses (usage)		market/own	Community/ Know. holder
Citrus Fruit Santra, Kinnoo etc.  Citrus spp.  Selection, Kagzi Lime Bearing  Guava Amrood Psidium guajava Local, L49 etc.  Grapes Angoor Vitis vinifera Perlette Perlette  Perlette Bearing  Amia Ambla Phyllanthus emblica Selection, NA-7  Bearing  Plains, Mid Hills Plenty Plenty Nurseries Through Out Year Squashes etc  Jul - Aug Fruit Marketing, Own Use  Marketing, Own Use  Plains, Mid Hills Rare Plenty Nurseries Jul - Aug Fruit  Nurseries Jul - Aug Fruit  Marketing, Own Use  Plains Plenty Plenty Nurseries Jul - Aug Fruit  Marketing, Own Use  Plains Plenty Plenty Nurseries Jul - Aug Fruit  Marketing, Own Use  Plains Plenty Plenty Nurseries Jul - Aug Fruit  Marketing, Own Use  Plains Plenty Plenty Nurseries Jul - Aug Fruit  Marketing, Own Use  Plains Plenty Plenty Nurseries, Local Collections  Nov. Dec Pickling Preserve etc  Marketing, Own Use  Plains Plenty Plenty Local Jul - Aug Fruit  Own Use  Papaya Papita Carica papaya Local Plains Plains Plenty Plenty Nurseries, Local Raised  Plains Plenty Plenty Nurseries, Local Raised  Nurseries, Local Jul - Aug Fruit  Own Use  Papaya Papita Carica papaya Local Plains Plenty Plenty Nurseries, Local Raised  Plains Plenty Plenty Nurseries, Local Raised  Nurseries, Local Aug - Oct Fruit	Mango	Aam	Mangifera indica	Dusheri,	Alternate Bearing	Plains	Plenty	Plenty	Nurseries	Jun-Aug				
Grapes Angoor Vitis vinifera Local Dakh, Perlette  Amla Ambla Phyllanthus emblica Selection, NA-7  Ber Ber Ziziphus mauritiana lamk Varanasi Bearing Bearing Plains Plenty Plenty Plenty Local Jul - Aug Fruit Marketing, Own Use  Jamun Jamun Syzygium cumini Selection Rearing Plains Plenty Print Own Use  Papaya Papita Carica papaya Local Plains Plenty Print Own Use  Plains Plenty Plenty Plenty Plenty Plenty Plenty Plenty Print Own Use  Papaya Papita Carica papaya Local Plains Plenty P	Citrus Fruit		Citrus spp.	Selection, Kagzi Lime	Tree, Regular Bearing	Plains, mid hills	Plenty	Plenty	Nurseries				Marketing, Own Use	
Amla Ambla Phyllanthus emblica Local Selection, NA-7 Plains Plains Plains Plenty Plent	Guava	Amrood	Psidium guajava				Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
AmlaAmblaPhyllanthus emblicaSelection, NA-7Iree, Regular BearingPlainsPlentyPlentyNurseries, Local CollectionsNov DecPickling Preserve etcMarketing, Own UseBerBerZiziphus mauritiana lamkGola, VaranasiTree, Regular BearingPlainsPlentyPlentyLocalJul - AugFruitOwn UseJamunJamunSyzygium cuminiLocal SelectionTree, Regular BearingPlainsRareRareNurseries, Local RaisedJul - AugFruitOwn UsePapayaPapitaCarica papayaLocalPlainsPlentyPlentyNurseries, Localy RaisedAug - OctFruit	Grapes	Angoor	Vitis vinifera			Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug	Fruit			
Ber     Ziziphus mauritana tamk     Varanasi     Bearing     Plains     Plenty     Flenty     Local     Jul - Aug     Fruit     Own Use       Jamun     Jamun     Syzygium cumini     Local Selection     Tree, Regular Bearing     Plains     Rare     Rare     Nurseries, Local Raised     Jul - Aug     Fruit     Own Use       Papaya     Papita     Carica papaya     Local     Plains     Plenty     Plenty     Nurseries, Localy Raised     Aug - Oct     Fruit	Amla	Ambla	Phyllanthus emblica	Selection,		Plains	Plenty	Plenty	Nurseries, Local Collections	Nov Dec			Marketing, Own Use	
Papaya Papita Carica papaya Local Plains Plenty Plenty Raised Aug - Oct Fruit Own Ose  Plains Plenty Plenty Raised Aug - Oct Fruit Own Ose	Ber	Ber	Ziziphus mauritiana lamk			Plains	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Papaya Papita Carica papaya Local Plans Plenty Raised Aug - Oct Fruit	Jamun	Jamun	Syzygium cumini			Plains	Rare	Rare		Jul - Aug	Fruit		Own Use	
Watermelon Tarbuj Citrullus lanatus Local\ plains rare Plenty Local May - Aug fruit	Papaya	Papita	Carica papaya	Local		Plains	Plenty	Plenty		Aug - Oct	Fruit			
	Watermelon	Tarbuj	Citrullus lanatus	Local		plains	rare	Plenty	Local	May - Aug	fruit	-		

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

1	2	3	4	5	6		7	8	9	10	11 Other details	12
DI 4 T	T I NI	C	<b>X</b> 7	T 1 / TT - 1. 4 - 4	C C . 1	Loc	cal status	Time ( man)	Part	A		Community/ Know.
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Past	Present	Uses (usage)	used	Associated TK	market/own use	Holders
Herbs	Jungli putna	Mentha arvensis		Lower Shiwalik/Temp crate area	Stem/Seed	Abundant	Abundant	Medicinal	Leaves	N.A	N.A	Generally held by community
Tree	Jamun	Syzygium cumini		Lower shiwalik	Seed	Abundant	Abundant	Medicinal	Leaves/ Fruit	N.A	N.A	Generally held by community
Aloe vera	Aloe vera	Aloe barbadensis	Local	Subtropical		good	good	antibacterial				
Curry leaves	curry leaf	Murraya koenigii	Local	Subtropical		good	good	rich source of Vit.A,B,C,B2				
Bay leaves	bay leaf	Laurus nobilis	Local	Subtropical		good	good	Healthy immune system				
Holy Basil	Tulsi	Ocimum tenuiflorum	Local	Subtropical		good	good	antioxidant				
	_			_			-					
		Note:	Uses: Fo	 od/ Veterinary Medicin	 e,/ Human Medicine (S	l Sub-divisions	like for children	women etc)./	 <del>Agricultu</del>	al Purpose (Bio-pest	licide)	

e: Uses: Food/ Veterinary Medicine, Human Medicine (Sub-divisions like for children, women etc.), Agricultulal 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	Krangal	Casia fistula		Seed	Non-Commercial	Ornamen tal/ Landsca ping	N.A	N.A	Generally, held by community
Shrub	Gandela	Nerium oleander		Cuttings	Non-Commercial	Ornamen tal/ Landsca ping	N.A	N.A	Generally, held by community
Tree	Satpati	Alstonia scholaris		Seed	Non-Commercial	Ornamen tal/ Landsca ping	N.A	N.A	Generally, held by community
Tree	Bottle brush	Callistemom citrinus		Seed	Non-Commercial	Ornamen tal/ Landsca ping	N.A	N.A	Generally, held by community
Bushes/	Hibiscus	Hibiscus rosasinensis		Nurseries	Non commercial	Urnamen tal/ Landsca	Used in fever, constipation	Flower throughout the year	Floriculturists/ Nurserymen/ Gardeners
						+			
						+ -			

**Format 14: Timber Plants / Trees** 

1	2	3	4		5	6	7	8	9	10
				Loc	cal status		Other			
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	Wild/ home- garden	uses (multi)	Associated TK	Other details	Community/ Know. holder
Tree	Khair	Acacia catechu	Sub -tropical	good	good		Wood			Farmers
Tree	Tali	Dalbergia sissoo	Sub -tropical	good	good		Wood			Farmers
Tree	Jamun	Syzygium cumini	Sub -tropical	good	good		Wood			Farmers
Tree	Kikar	Acacia nilotica	Sub -tropical	good	good		Wood			Farmers
Tree	Safeda	Eucalyptus globulus	Sub -tropical	good	good		Wood			Farmers
	1	l	<u> </u>			L	!	<u> </u>		

#### **Format 15: Domesticated Animals**

1	2	3	4	5	6	Ι.	7 Local	8	9	10	11	12
							tatus					
Animal Type	Local Name	Scientific Name	Breed (local/ hybrid)	Features	Method of keeping	Past	Present	Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
Sheep	Bhaed	Ovis aries	Local (Non descript)	Small size, low body weight, rough body coat	Statonary	Pleny	Rare	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
Cow	gau	Bos taurus	desi/jersey					Milk, ghee				
Buffalo	Bhains	B. bubalis						Milk				

Uses include milk, meat, skin, fur and etc

## **Format 16: Culture Fisheries**

1	2	3	4	5	6		7	8	9	10	11	12
					Watawaana	Loc	al status					Community Vnov
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talao)	Past	Present	Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
Exotic Carps	Common Carp	Cyprinus carpio	Exotic Carp/ Scale Carp	Omnivorous, body laterally compressed two pair of barbels, dorsal fin long, protudible mouth and lips are extended like a short tube for sucking up food, hardy in nature.	Ponds	Plenty	Plenty	Food Fish	-	Yes	Caught by drag/ cast net. Breeds during monsoon. Accepts naturall as well as artifical feed.	Fish Farming Community
						Nil						

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
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present	Commercial / own use	r art conected	Associated 1 K	Other details	Community Knowledge Holder
Tree	Tali	Dalbergia sisoo	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Amb	Mangifera indica	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Fruit	-	-	-
Tree	Kiker	Acacia nilotica	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Khair	Accacia catechu	Tree	Sub -tropical	Availabl e	Available	Own Use	Fruits		Medicinal Use	Self observed
Tree	Garna	Carissa spinarum	Shrubs	Sub -tropical	Availabl e	Available	Own Use	Fruits			Self observed
Tree	Jamun	Syzygium cumini	Tree	Sub -tropical	Availabl e	Available	Own Use	fruits/wood			
Tree	Neem	Azadirachta indica	Tree	Sub -tropical	Availabl e	Available	Own Use	Wood			Self observed
Tree	Amli	Phyllanthus emblica	Tree	Sub -tropical	Availabl e	Available	Own Use	wood			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	Santha	Dodonaea viscosa	Shrub	Firewood	Good
2	Kanner/Lal Gandila	Nerium indicum	Shrub		Good
5	Khair	Acacia catechu	Wild	Social and Economic	Available
6	Exotic Acacia	Acacia farnesana	Wild	Social and Economic	Available
7	Kikkar	Acacia nilotia	Wild	Social and Economic	Available
8	Neem	Azadirachta indica	Wild	Social and Economic	Available
9	bamboo	Bambusa bamboos	Wild	Social and Economic	Available

## Format 20: Aquatic Biodiversity

1	2	3	4	5	6	7	8	9	10
Local Name	Scientifice Name	Variety	Features	Habitat	<b>Local Status</b>	Uses	Associated TK	Other details	Community/
		, and a second			Past	Present		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Knowledge Holder
Sol	Channa marulius	Local	Snakehead fish, Air Breathing Fish	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	
Garoj	Mastacembalus spp	Local	Large elongated fish without pelvic fin, dorsal fins are long & connected with caudal fin	Tawi River	Available	Available	Own & Commercial use	Used as food as source of protein	

# Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
SI.No	Local Name	Scientifice Name	Variety	Importance	Trends
1	Aak	Ipomea carnea		cure respiratory diseases	
2	Kumudene	Nymphoides indica		Wound healing	
3	Nutsedges	Cyperus	local	Ayurvedic medicines	

## Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5		6		8	9	10	11
Plant	Tarak Nama	Co. A. C. Ni	¥7	Landau (Malifa)	Local	Status	Associated	Uses	D. A. a. I	Other details	Community/ Knowledge Holder
(Herb,Shrub,Tree)	Local Name	Scientific Name	Variety	Landscape/Habitat	Past	Present	TK	(usage)	Part used	market/own use	
Tree	Amla	Emblica officinalis		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Jamun	Syzygium cumini		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Ber	Ziziphus jujuba		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Kikar	Acacia nilotica		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Bark & Pods	-	-
Tree	Dhrenk	Melia azadirach		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Seeds & Leaves	-	-
Tree	Neem	Azadirachata indica		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-
Grass	Doob grass	Cynadon dactylon		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	-
Herbs	Bhang	Cannabis sativa	Wild	Sub-Tropical	Available	Available		treats anxiety	leaves		locals

Format 23: Wild relatives of Crops

1	2	3	4	5		6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape/	Local	Status	Uses (usage)	Part Used	Associated	Other details	Community/Know holder
		•	Habitat	Past	Present			TK		,
					NIL					
Chaleri Saag	Amaranthus Virdis		Sub-Tropical	Available	Available	protect against oxidative stress	leaves			Farmer
Jangli Putna	Mentha arvensis		Sub-Tropical	Available	Available	digestive health	leaves			Farmer
Wild onion	Allium canadense		Sub-Tropical	Available	Available	anti-inflammatory properties	bulb, stem, flower			Farmer
Wild oats	Avena fatua		Sub-Tropical	avai	lable	moderate stress	seeds			Farmer

**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
Lal Gandila	Nerium oleander	Shrub	Farm land	-	-	-	-
Kaneer	Thevetia peruviana	Tree	Farm land	-	-	-	-
Krangal	Cassia fistula	Tree	Farm land	-	-	-	-
Karal	Bahunia purpurea	Tree	Farm land	-	-	-	-
Hibiscus	Hibiscus rosasinensis	Tree	Nurseries	Non commercial			

#### **Format 25: Fumigate/Chewing Plants**

1	2	3	4	5		6	7	8	9	10	11
Plant (Herb,Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Local Status		Uses (Usage)	Part used	Associated TK	Other details(mode of use)	Community /Knowledge holder
1160)					Past	Present				430)	
Herb	Pudina	Mentha arvensis		Farm lands	good	Abundant	Spice	leaves			
Herb	Buch	Acorus calamus		Farm lands	good	good	medicinal	roots			
Herb	Horioh	Brassica campestris		Farm lands	good	Abundant	Spice	Seeds			
Tree	Imli	Tamarindus indica		Sub-Tropical		good	medicinal	fruit			
Shrub	Tulsi	Ocimum sanctum		Sub-Tropical	good	Abundant	ayurvedic medicines	leaves	-		

**Format 26: Timber Plants** 

1	2	3		4	5	6	7	8
Local Name	Scientific Name	Habitat	Local	Status	Other Uses ,if any	Associated TK	Other Details	Community /Knowledge
Local Ivalie	Scientific Ivanic	Habitat	Past	Present	Other Oses in any	Associated TK	Other Details	holder
Shisham	Dalbergia sissoo	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Ber	Ziziphus jujuba	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	Syzygium cumini	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	Bombax ceiba	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	-
Safeda	Corymbia citriodora	Subtropical/ Tropical	Rare	good	Commercial/ own use			

Wood contains catechin and

tannin

Peepal Ficus religiosa Subtropical/ Tropical Plenty Plenty Commercial/ own use

Plenty

Plenty

Subtropical/ Tropical

Acacia catechu

Khair

#### Format27 A: Coastal and Marine Flora

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

#### Format 27 B:Coastal and Marine Fauna

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

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

1	2	3	4	5	6	7		8	9	10	11		
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local	Local status		Local status		Associated TK	Other Details	Community Knowledge Holder
Wild Animal	Squirrels	Sciuridae	Farmland	_	_	Past	Present	_	_				
wiid Allilliai	Squiiteis	Sciuriaae	rannand	-	-	Good	Good	-	-	-	-		
Wild Animal	Pig	Sus domesticus	Farmland		-	Good	Good	-	-	-	-		
Wild Animal	Jackal	Canis aureus	Farmland	-		Good	Good	-	-	-	-		
Wild Animal	Pigeon	Columba livia	Farmland	-	-	Good	Good	-	-	-	-		
Wild Animal	Bee	Apis mellifera	Farmland	-	-	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 leaved	Sub-Tropical	Summer	Common
2	mango	Mangifera indica	Broad leaved	Sub-Tropical	Summer	Common
3	Safeda	Eucalyptus sapp.	Broad leaved	Sub-Tropical	Summer	Common
4	Sree	Albizzia lebbeck	Broad leaved	Sub-Tropical	Summer	Common
5	Talli	Dalbergia sissoo	Broad leaved	Sub-Tropical	Summer	Common
			<u> </u>			
		Notes C 1	111 10 1:1 1	( ) ( D 1 1 C 1	ns / Housing estate / Commerc	• 1

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.)
1	Cow	Bas taurus	Mammels	Terrestrial	Common
2	Buffalow	Babalus bubalis	Mammels	Terrestrial	Common
3	Sheep	Ovis aries	Mammels	Terrestrial	Common
4	Goat	Capra aegagrus	Mammels	Terrestrial	Common
5	Sparow	Passer domesticus	Birds	Terrestrial	Common
6	Crow	Corvius splendens	Birds	Terrestrial	Common
7	Pigon	Columba livia	Birds	Terrestrial	Common
8	Peacock	Pavo cristatus	Birds	Terrestrial	Common
9	Ant	Tapioma sessile	Insects	Terrestrial	Common
10	Bee	Apis crana indica	Insects	Terrestrial	Common

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

End of Part II