General Details

Name of the Panchayat Samiti:nikowal

Taluk: SUCHETGARH

District:Jammu

State/UT: J&K

Geographical Area of the Panchayat Samiti: Plain (297.89HECTRES)

Population under the Panchayat Samiti1506

Mal771 FEMAILE - 735

Habitat and Topography: main land

Climate (Rainfall, Temperature and weather patterns): Temp. 40°C in summer & 9°C in winter

Land Use (Nine fold classification available with village records) Agri. Area=112.91 ha & non-agriculture area= 27.9 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 person nominated by the local body; not less than one third to be women and not less than 18% belonging to SC/ST) 1)Name of the Chairperson: vijay kumar Age: 50 Gender: male Address: R/o nikowal Area of specialization: panchayati raj 2) rani dev Age45 Gender: female Address: R/o nikowal Area of specialization: 3)Name sunil Age: 45 Gendermale Address: R/o.40 Area of specialization 4)Name:bhaban dass Age: 53 yrs Gender:male Address: R/o nikowal Area of specialization: 5)Name: bodh raj Age: 40 Years Gender:Male Address: R/o nikowal Area of specialization: 6)Name:ganesh kumar

Age: 42 Yr.
Gender: male

Address: R/o nikowal

Area of specialization: agriculture

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 NIL
Age:
Gender:female
Address:
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
Name of the Chairperson: babu ram
Age:41 Yr.
Gender: Male
Addressnikowal;
Area of specialization: agriculture
2) Name of the Chairperson:chaman singh
Age:36
Gender:male
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:

Details of schools, colleges, departments, universities, government institutions, non-

1) Contact Person: roshan lal

Name and Address: nikowal

2) Contact Person: Tirath ram (Fisheries)

Name and Address: Nikowal

3) Contact Person:r/o
Name and Address:

4) Contact Person:

Name and Address:

You may add names of more institutions/NGO/Individuals etc, if necessary

Detail	etail of access to biological resources and traditional knowledge granted, details of the collection f												
S.no	Name and address of the Person/Institute/company others	son/Institute/company the biological material											
			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

a 21		G 4		Description of	Landscape /	Approx.	Loca	al status	Special					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)	Diaman / I am	sown(ma)	Normal	Normal	Basmati 370 is world wise known for its aroma	F10-	Parido access		VI: f (M	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	Provides energy fragrance and taste	-	Kharif (May to October)	Department/ Privaate Suppliers	Farmers
				PDM-54			Normal	Rare	Medium						
3	Maama	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
3	Moong	v igna radiata	Woong	IPM-0203	tropical region Warm /		Normal	Rare	Excessive vegetative growth	1 000	Vegetable Protein	Manuring	Summer/Kharn	Privaate Suppliers	rainieis
4	Mash	Vigna mungo	Mhaa	PU-19 Utra	Humid of Sub tropical		Normal Normal	Normal Normal	High yielding Variety	Food	Source of Vegetable Protein	-	Summer/Kharif	Farmers / Department/ Privacter Buppliers	Farmers
5	Bajra	Pennisetum americanum	Bajra	Local Variety MHB-110	climate under Sandy loam		Normal Normal	Normal Normal	Tall & low Yielding variety	Food & Fodder	Source of Energy	-	Kharif (May to October)	Department/ Privaate Suppliers	Farmers
6	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
8	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
9	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
10	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	
11	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
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,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

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,ch ps etc	i	High carbohydrate,pr ovide high n energy value	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
15	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 f i,calciam,copper,po tassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	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,gro ws well warm humid conditions	Abundant	Abundant	Pungency and flavor	Used as spice ,medic anal value	i -	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	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
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 carbohydratesry	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/Kun dan	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,Vitamin eB1,B2 <b6 and<br="">Maganese</b6>	Summer season	Farmers / Department/ Privaate Suppliers	Farmers
25	Cauliflower	Brassica oleracae var.botrytis	Fol gobi	Pusa snow ball,Pusa Katki,local Girja	Both sub tropical &intermediat e	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
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,sal ad	_	Also good sourse of protein,carbohy drate,phasphoru s& iron	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
27	Knol khol	Brassica oleracae var.gongyloides	Kadam	White vienna,Purple vienna	cool &moist climate/sub tropical	Abundant	Abundant	Swollen stem ,grren/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
28	Spanich	Beta vulgaris	Palak	All Green,Delta	Cool season Crop, thrives well on well drained loam soils	Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender greer 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	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	PTWG/Local	Cool &moist climate/sub tropical&inte rmedite	Abundant	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 Vegetables	Brocolli// Chines Cabbage / Capsccum etc.	F	Prevelent Hybrid varieties	Cool &moist climate/sub tropical&inte rmedite	Rare	Abundant	All Plants Carts and Fruits are eadable Ric Source of antioxidents	Salad and Vegetable	

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
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FORMAT 2: Fruit Plants

1	2	3	4	5		6	7	8	9	10	11	12
					Loc	al Status					Other details	
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Past	Present	Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	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	Citrus sinensis	santra	Local	Subtropical	plenty	plenty		dec-feb				
guava	Psidium guajava	amrood	Local	Subtropical	plenty	plenty		aug-feb				

FORMAT 3: Fodder crops

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	Source of energy	Above ground part of plant	Fodder	Farmers
Maize	Zea mays	Makki	Annual	Abundant	Abundant	Suppliers	Source of energy	Above ground part of plant	Food & fodder	Farmers

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	3	3	9	10	11	12	13
CN	DI 4	O N	Y 137	Affected	TT 1.4	Landscape/	Local	Status	TI '6	Management	Associated	04 14 2	Community Kn.
S. No.	Plant	Scientific Name	Local Name	Crop	Habit	Habitat	Past	Present	Uses if any	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
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, sugarcane,ve getable	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,vegetable & 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
10	Bang	Cannabis indica	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	0	Farmers
3	wild onion	Allium <mark>humile</mark>	Jangli payas	Onion	Annual herb	Temprate/sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers

Format5: 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		Litchi	Insects	Gatesclarkeana Erotias	Fruit Nut birer	Orchard/Field	At pea stage	Pesticides, Basin Making Ploughing				
5		Guava	Insects	Bactrocera Dorsalis	Fruit Fly	Orchard/Field	Maturity Stage	Pesticides, Fruit Fly trape				
6		Wheat	insects	Puccinia stiriiformis	yellow rust	Field		pesticides				
7												

FORMAT 6: Markets For Domesticated Ar

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 / Donke

ıimals

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

ys / Mules / Horses / Camels / Others (Specify)

FORMAT7: 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

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal hu agriculture landscape, rivers, forest etc.

Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud How the community manages the landscapes they use for satisfying different needs, their strategic How the community manages the resources they access for satisfying different needs, their strategic

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

sbandry, artisans, services Examples of depending landscapes are

, and etc s and perception ies and perception, conflicts etc

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

Provide a brief description of landscapes such as forests, plantations, cultivated

FORMAT8: 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			

¹ land, estuary, pond, lake or other elements

12
Community
accessed

FORMAT 9: WATERSCAI

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	Tali, kamal,	Frogs, Fishes,	Cattles,	Public
Streams			State land and	Bana, aak,	Frogs,	Cattles,	Public
Tube well			State land and			Cattles,	Public

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

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

FORMAT 10: SO

S.No.	Soil	Туре	Colour	Features	Soil man
1	Sandy Loam	Туре В	Soft Dark	Large particle size,Water drains Rapedily	Green M Decon manu improv
2	Clay Loam	Туре А	Light yellow to raddish colour	Small particles size,Texture dense and compact, retains water and nutrition	Provide goc add organic the form of hun

IL TYPE

agement	Plants/Crop Suitable	Flora and Fauna	Associated TK	Other Information
[anuring, nposed re etc 'es soil	Beans, Tomato, Potato, Cucumber, onion, eggplants, carrot, Spinach etc.	cacti, Lambs ear,	ı	Genrally not suitable for plants which need lot of water
od drainage, manure in compost or nus		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	<u> -</u>	3	-	7		,	0	, ,	10	11	14	13	
Plant Type	Local Name	Scientific Name	Variety	Landsca	Landscape/ Habitat		al Status Present	Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own	Community/ Know. holder
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.	Tree, Regular Bearing	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	
Guava	Amrood	Psidium guajava	Local, L49 etc.	Tree, Regular Bearing	Plains, Lower Hills	Plenty	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			
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			
Watermelon	Tarbuj	Citrullus lanatus	Local		plains	rare	Plenty	Local	May - Aug	fruit			<u> </u>
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													 I
]

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

1	2	3	4	5	6		7	8	9	10	11 Other details	12
Dland Toma	I and Name	Caiantica Nama	Vanista.	I andrama/IIabitat	C	Loc	al status	II ()	Part	Associated TIV		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
Herbs	Bhang	Canabis sativa		Lower Shiwalik	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
Holy Basil	Tulsi	Ocimum tenuiflorum		lower shiwalik		Abundant	Abundant	Antioxidant				
Aloe vera	Aloe vera	Aloe barbadensis		lower shiwalik		Abundant	Abundant	Antibacterial				
Climber	Giloe	Tinospora cordifolia		lower shiwalik		Good	good					
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	immune				
		Note:	Uses: Fo	od/ Veterinary Medicin	e./ Human Medicine (S	ub-divisions	like for children	women etc)./	Aorientm	al Purpose (Bio-pest	icide)	

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	N.A	N.A	N.A	Generally, held by community
Shrub	Gandela	Nerium oleander		Cuttings	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Satpati	Alstonia scholaris		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Bottle brush	Callistemom citrinus		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Booganbel	Bougainvillea glabra		Cuttings	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Bushes/	Hibiscus	Hibiscus rosasinensis		Nurseries	Non commercial	Ornamen tal/ Landsca ping	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		0.1			
Plant Type	Local Name	Scientific Name	Habitat	Past	Present	Wild/ home- garden	Other 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

Format 15: Domesticated Animals

1	2	3	4	5	6	Ι,	7 Local	8	9	10	11	12
						1	tatus				Other details in de 35 -	
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 indicus	ND	Low yield	stall feeding	Abunda nt	Decrease	Dairy	Nil	No	Milk	All
Cow	Jersy Gau	Bos taurus	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
Cow	Amrecan Gau	Bos taurus	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	Bubalus bubalis	Local	Low yield	stall feeding	Abunda nt	Decreased	Dairy	Nil	No	Milk	All

Uses include milk, meat, skin, fur and etc

Format 16: Culture Fisheries

1	2	3	4	5	6		7	8	9	10	11	12
					Watanaaa	Loc	al status					C
Fish Type	Local Name	Scientific Name	Variety	Features	Waterscape (pond/bheri/talao)	Past	Present	Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
Fish	Sol	Channa marulius	Local	Snakehead fish, Air Breathing Fish	Pond	Availabl e	Available	Own & Commer cial use			Used as food as source of protein	
	!					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 Tyma	Local Name	Scientific Name	Habit	Habitat	Loc	al status	Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
Plant Type	Local Ivallie	Scientific Name	парц	парнас	Past	Present	Commerciai / own use	r art conecteu	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 Status	Uses			Community/
Local Name	Scientifice Name	Variety	Features	Habitat	Past	Present	Associated TK	Other details	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	Water Hyacinth, Floating Weed	Eichhornia crassipes	Invasive	Can be used to make compost, Mulching & to Clean Sewage	Free Floating Weed

Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5	(6		8	9	10	11
Plant	Land Name	Caimai C Name	Variate	Landaran (Nahitat	Local	Status	Associated	Uses (usage)	Part used	Other details market/own	Community/ Knowledge Holder
(Herb,Shrub,Tree)	Local Name	Scientific Name	Variety	Landscape/Habitat	Past	Present	TK			use	
Tree	Amla	Emblica officinalis		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Krangal	Cassia fistula		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Pod	-	-
Tree	Jamun	Syzygium cumini		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	-	-
Tree	Neem	Azadirachata indica		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	-	1
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
Climber	Giloe	Tinospora cordifolia		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Stem		

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		·
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	-	-	-	-
Bougainvillea	Bougainvillea glabra	Shrub	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	Loca	Local Status		Part used	Associated TK	Other details(mode of use)	Community /Knowledge holder
1100)					Past	Present				450)	
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 Ivalic	Scientific (value	Habitat	Past	Present	Other Oses in any	Associated Tix	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	
Safeda	Corymbia citriodora	Subtropical/ Tropical	Rare	good	Commercial/ own use		Timber/ Firewood	
Khair	Acacia catechu	Subtropical/ Tropical	Plenty	Plenty	Wood contains catechin and tannin		Timber/ Firewood	
Peepal	Ficus religiosa	Subtropical/ Tropical	Plenty	Plenty	Commercial/ own use		Timber/ Firewood	

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		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	status	Uses ,if any	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	Sparow	Passer domesticus	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Crow	Corvus splendens	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Pigeon	Columba livia	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Bee	Apis mellifera	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Butterfly	Rhopalocera spp.	Farmland	-	-	Good	Good	-	-	-	-
Wild Animal	Frog	Anura spp.	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