Peoples Bio diversity Register (PBR) : General Details
Name of the Panchayat Samity: Purmandal
Taluk: Purmandal
District: Samba
State: J&K
Geographical area of the Panchayat Samity: 935.19 Ha
Population under the Panchayat Samity
Total: 2152 Male:1127 Female:1031
Habitat and topography: Hilly Topography
Climate(Rainfall, Temprature and other weather patterns): Sub tropical Climate
Land use(Nine fold classification available with village records
D:M:Y of preparation of the preparation of PBR: 21/10/2020
Management Regime : Reserve forests(RF)/Joint forest Management (JFM)/Protected Areas(PA) Community owned and Managed forests:Joint forest Management (JFM)

Annexure 1

Details of Biodeversty 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: Joginder Pal Sharma (Sarpanch Purmandal)
Age : 48 years
Gender: Male
Adress: Sangar
Area of specialization: NIL
2) Name : Pooja sharma (Panch Purmandal)
Age :- 35 years
Gender: Female
Adress: W.No. 2
Area of specialization: NIL
3) Name:- Kamlesh Kumari (Panch Purmandal)
Age : 42 years
Gender : Female
Address: W.No. 5
Area of specialization: NIL
4) Name: Rinku Kumar (Naib Sarpanch Purmandal)
Age : 35 years
Gender: Male
Address:- W.No.9
Area of specialization: NIL
5) Name : Gulam Hussian
Age: 65 years
Gender: Male
Address: W.No. 8
Area of specialization: NIL
6) Name : Ram Lal (Panch Purmandal)
Age : 51 years
Gender : Male
Address: W.no. 6
Area of specialization: NIL
7) Name :- Shashi Pal Verma (Panch Ward No.: 6 Purmandal)
Age :- 41 years
Gender : Male
Address : W.No. 1
Area of specialization: NIL
8) Name :- Suresh Kumar (Panch)
Age :- 41 years
Gender : Male
Address : W.No. 1
Area of specialization: NIL

Annexure 2

List of vaids/Hakims and traditional healthcare (Human and livestock) practictioners residing and or using biological resources during within the juridiction of the village

1) Name of the Chairperson : Nil

Age: Nil

Gender: Nil

Address: Nil

Area of specialization: Nil

2) Name : Nil

Age: Nil

Gender: Nil

Address: Nil

Area of specialization: Nil

ANNEXURE 3

List of individulas perceived by the villagers to possess Traditional Knowledge(TK) related to Biodiversity in agriculture, Fisheries and Forestry

1) Name of the Chairperson : Moti Ram s/o Kirpa Ram

Age: 63

Gender: Male

Address : VPO Purmandal

Area of specialization: Progressive Farmer

2) Name : Ghulam Hussain s/o Fazil Din

Age: 60

Gender: Male

Address: Sangar (Purmandal)

Area of specialization:

3) Name:

Age:

Gender:

Address:

Area of specialization:

4) Name:

Age:

Gender:

Address:

Area of specialization:

Annexure 4

Details of schools, colleges, departments, universities, govt. institutions, non-governmental organization and individual involved in the preparation of PBR

1) Contact Person :

Name and Address :

2) Contact Person :

Name and Address :

3) Contact Person :

Name and Address :

4) Contact Person :

Name and Address :

You may add more names of Institutions/ NGO/ Individuals etc, If necessary

Annexure	5													
Detail of	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													
S.No.	Name & address of the person/Institute/company others	the biological material	Date and resolution of the BMC and endorsement by the Panchayat	detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared									

End of Part I

						Forn	nat 1: Cı	rop Plants						
1	2	3	4	5	6		7	8	9	10	11	12	13	14
Сгор	Scientific	Local Name	Variety	Landscape/	Approx.	Local	Status	Special features	Cropping	Uses	Associated	Other details	Source of	Community/ Knowledge
Сгор	Name	Local Ivame	variety	Habitat	area shown	Past	Present	special leatures	season	Uses	ТК	Other details	Seeds/Plants	Holder
Rice	Oryza sativa	Dhan, Munji	PR-113	Suitable for Sub Tropical areas . Matures in 135 -140 day approx.	02 Ha	Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder		Suitable for Cultivation in Low land , Mid HillsAreas, Hot & Humid Climate	Agri Deptt. / Private Agencies	
	Oryza sativa	Dhan, Munji	Pusa - 1121	Suitable for Sub-tropical areas		Abundant	Abundant	Exception kernel elongation and volume expansion more than 4 times after cooking		Food Fodder	Easy digestibilty	Suitable for typical water logged area where crop remains submerged	Agri Deptt. / Private Agencies	
	Oryza sativa	Dhan, Munji	Jaya	Plant Height 140-145 cm		Abundant	Abundant	Dwarf High Yielding variety	June - Oct	Food Fodder			Agri Deptt. / Private Agencies	
	Oryza sativa	Dhan, Munji	Begumi	160-165 cm		Abundant	Rare	Tall in height , sweet in taste , High starch Content	June - Oct	Food Fodder	More Nutritive Value	Suitable for Plain & Mid Hills	Local	Pahari community

Maize	Zea mays	Makk, kukri, challi, Buhtta, jobawr	Double Dekalb Yellow	Mostly warm weather Plant	122 Ha	Abundant	Abundant	High yeilding Variety	July to Oct. kharif season crop	Grain	Raw material used in industries producing starch oil, Pahramceuti cals, Cosmetics and Paper	Suitable of Plain & Mid Hills	Agri. Deptt. / Private Agencies	
	Zea mays	Makk, kukri, challi, Buhtta, jobawr	KH-517	Mostly warm weather Plant		Abundant	Abundant	Lodging resistant	July to Oct. kharif season crop	Grain, Fodder	Fodder is of good quality, remains green and fresh for long time	Suitable of Plain & Mid Hills	Agri. Deptt. / Private Agencies	
pulses	Vigna mungo	Maa/ Mash	T-9	Suitable of Plain & Mid Hills	5.5Ha	Abundant	Abundant	High yeilding Varity	June- Aug kharif season crop	Dhal, Papad, wadi, Nutritive fodder for milch animals	hight Protein contents	Can be used as green manuring crops	Agri. Deptt. / Private Agencies	
	Vigna radiata	Moong	ML 131 ,ML181, PDM 54	Suitable of Plain & Mid Hills thrives best under hot and humid climate		Abundant	Abundant	High yeilding Varity	June- Aug kharif season crop	Dhal, Papad, wadi, Nutritive fodder for milch animals	hight Protein contents	Can be used as green manuring crops	Agri. Deptt. / Private Agencies	

Til (OILSEE D)	Seasamum indicum	til	Punjab til -1	Suitable of Kandi areas & Mid Hills	ЗНа	Abundant	Abundant	High yeilding Varity	June- Oct	Oil,	high oil content	White seed Variety . Matures in 80-85 days . Plant hight 1.3-1.6 mtr.	Agri. Deptt.	
Okra	Abelmoschus esculentus Moench	Bhindi	Pusa A-4	Suitable for Plain & Mid Hills	3.5 Ha	Abundant	Abundant	High yield Variety	Feb- March June- July (rainy season	Food	Rich source of fibre	YVM and aphids , dark green fruit , size 12-15 cm long and first picking starts in 45	Agri. Deptt. / Private Agencies	
Bottle Gourd	Lagenaria siceraria	Loki, Tumbdi	Pusa Summer prolific long	Sub-tropical and intermediate		Abundant	Abundant	The fruits are long, the skin colour is llowish green	Spring & Summer	Vegetables, raita, soup & Juice		It can tolerate cold climate but not frost	Agri. Deptt. / Private Agencies	
Brinjal	Solanum Melongena	Baingan	janak ,pusa purple long	Mostly warm weather Plant		Abundant	Abundant	fruits are both round and long depending upon variety. Colour of fruit is dark purple , light purple .	it requires a long growing season with average day and night temperature	food	sandy loam soil is preffered. Silt loams and clay loams are also suitable.	it cannot tolerate frost	Agri. Deptt. / Private Agencies	
Wheat	Triticum aestivum	Kanak	HD-2967	150-155 cm	128 Ha	Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder	Moderatley resistant to yellow rust	Suitable for Plain & Mid Hills	Agri Deptt. / Private Agencies	
	Triticum aestivum	Kanak	Raj -3077	135-140 cm		Abundant	Abundant	Dwarf High Yielding variety	Nov- Apr.	Food Fodder	late sown variety suitable for kndi areas	Suitable for Plain & Mid Hills	Agri Deptt. / Private Agencies	

	Triticum aestivum	Kanak	PBW-644	Tropical / Subtropical zones			New Variety	Drought resistant	Nov- Apr.	Food Fodder	Early sown variety for more Fodder	Suitable for Plain & Mid Hills	Agri Deptt. / Private Agencies	
Chickpea (pulse)	Cicer arietinum	Chana / Gram	C-235	Kandi Areas / Irrigated	5Ha	Abundant	Abundant	Highly stable variety, seeds are small and yellowish brown	Rabi	for human consumption and animal feed	rich source of protien and energy	Thrives best on well drained sandy or light soils.	Agri. Deptt. / Private Agencies	
peas(pulse)	pisum sativum	matar	T-163	Suitable of Kandi areas		Abundant	Abundant	high yielding variety .	rabi	for human consumption as vegetable as well as pulse	rich source of protien and energy	Thrives best on well drained loamy soils.	Agri. Deptt. / Private Agencies	
mustard (OILSEE D)	brassica rapa	sarson	pusa bold, RH-30	sub tropical plains∕ kandi area	ЗНа	Abundant	Abundant	high yielding varietes .	Rabi season crop sowing time 2nd fortnight 0ct to 1st week Nov.	Oil,	rich source of oil	Thrives best on well drained loamy soils.crop duration 90- 95days	Agri. Deptt. / Private Agencies	
Tomato	Solanum lycopersicum	Tamatar,	Kashi (DVRT-2)	Plant are Green, Fruit are red , spherical medium to large sized	3 Ha	Abundant	Abundant	First harvest at 70-75 days after transplanting . Resistant to TLCV.	Transplanting Jan to Mid Feb	Food	Resistant to TLCV.	Suitable of Plain & Mid Hills	Agri. Deptt. / Private Agencies	

Knol khol	Brassica oleracea	Kadam	Purple Vienna	Cool & moist climate	Abundant	A 1	Matures in 70-75 days.Knobs are purplish & fleshy greenish white.	mainly as a	As vegetable pickles.		For early crop sandy or sandy loam soils & for late crop clay loam &silty soils are preffered.	Agri. Deptt. / Private Agencies	
Radish	Raphanus sativus	Mooli	Japanese White	Plain and mid hills				Ending Nov- January	Vegetable, Salad & Fodder	Flesh is snow white, crisp, solid and mildly pungent	It matures in 65 to 70 days	Agri. Deptt. / Private Agencies	

					Form	nat-2:	Fruit P	Plants					
1	2	3	4	5	6		7	8	9	10	11	12	13
C. N.		Gat d'fra Nama	I N.	V	Landscape/	Loca	l status	Source of	Season of		I land (man a)	Other details	Community/
S. No.	Plant	Scietific Name	Local Name	Variety	Habitat	Past	Present	Seeds/ Plants	Fruiting	Associated TK	Uses (usages)	maret/ own use	knowledge holder
1	Woody Tree	Mangifera indica	Amb	Wild, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasim etc.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Record vailable in old books.	Sucking, table, processing	Own uses and sold in market	Popular in local population.
2	Woody Tree	Pidium guajava	Amrood	Wild, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
3	Climber	Vitis vinifera	Angoor	Wild, Perllet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Introduced by traders and domesticated locally.	Table and processing.	Own uses and sold in market	Popular in local population.
4	Woody Tree	Emblica officinalis	Amla	wild, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Record vailable in old books.	Processing	Own uses and sold in market	Popular in local population.
5	Woody Tree	Citrus sinensis	Mosammi	Mosambi, Jaffa, Red Blood	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.

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6	Woody Tree	Citrus reticlata	Sangtra	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.
7	Woody Tree	Citrus aurantifolia	Nimboo	Wild, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
8	Woody Tree	Ctrus limon	Galgal	Wild	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
9	Woody Tree	Ctrus medica	Kimb	Wild	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Record vailable in old books.	Processing.	Own uses and sold in market	Popular in local population.
10	Woody Tree	Citrus jambhiri	Jamiri	Wild	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Record vailable in old books.	Processing, root stock	Own uses and sold in market	Popular in local population.
11	Woody Tree	Citrus limettoides	Mithoo	Wild	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Record vailable in old books.	Table and processing.	Own uses and sold in market	Popular in local population.
12	Woody Tree	Citrus tangerina	Narangi	Wild	Sub-tropical	Good	Good	Grafted Plants	March to Dec.	Record vailable in old books.	Ornamental and processing.	Own uses	Popular in local population.
13	Woody Tree	Zizyphus mauritiana	Ber	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Record vailable in old books.	Table purposes	Own uses and sold in market	Popular in local population.
14	Woody Tree	Zizyphus jujuba	Phowari Ber	Wild	Sub-tropical	Good	Good	Seedlings	March to Nov.	Record vailable in old books.	Table purposes	Own uses and sold in market	Popular in local population.
15	Bush	Grewia subinaequalis	Phalsa	Wild	Sub-tropical	Good	Good	Seedlings and Cuttings	March to July	Record vailable in old books.	Processing	Own uses and sold in market	Popular in local population.
16	Woody Tree	Syzygium cumini	Jamun	Wild	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Record vailable in old books.	Processing	Own uses and sold in market	Popular in local population.

17	Woody Tree	Punica granatum	Anar	Wild, Ganesh, Kandhari,	Sub-tropical	Good	Good	Cuttings	March to July	Record vailable in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
18	Woody Tree	Cordia myxa	Lasooda	Wild	Sub-tropical	Good	Good	Seedlings	March to June	Record vailable in old books.	Processing purposes	Own uses and sold in market	Popular in local population.
19	Bush	Carissa carandas	Gerna	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record vailable in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
20	Woody Tree	Aegle marmalos	Bill	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record vailable in old books.	Table purposes and processing	Own uses and sold in market	Popular in local population.
21	Woody Tree	Prunus saliciana	Aloocha	Kala Amritsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Introduced by traders and domesticated locally.	Table purposes and processing	Own uses and sold in market	Popular in local population.
22	Woody Tree	Morus alba	Shahtoot	Wild, China	Sub-tropical	Good	Good	Cuttings	March to July	Introduced by traders and domesticated locally.	Table purposes, leaves for rearing Silkworms.	Own uses and sold in market	Popular in local population.
23	Woody Tree	Ficus carica	Fakhwari	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Introduced by traders and domesticated locally.	Table purposes.	Own uses and sold in market	Popular in local population.
24	Woody Tree	Atrocarpus lakoocha	Dew	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record vailable in old books.	Pickle Purposes.	Own uses and sold in market	Popular in local population.

25	Woody Tree	Atrocarpus heterophyllus	Jackfruit	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record vailable in old books.	Pickle Purposes.	Own uses and sold in market	Popular in local population.
26	Soft Tree	Carica papaya	Papita	Wild, Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Record vailable in old books.	Table purposes.	Own uses and sold in market	Popular in local population.
27	Woody Tree	Caprificus insectifera	Rumble	Wild	Sub-tropical	Good	Good	Seedlings	March to July	Record vailable in old books.	Medicinal purposes.	Own uses	Not much known.
28	Woody Tree	Terminalia bellirica	Behra	Wild	Sub-tropical	Good	Good	Seedlings	March to August	Record vailable in old books.	Medicinal purposes.	Own uses	Popular in local population.
29		Phoenix dactylifera	Khajoor										

				For	mat 3: Fo	dder Crops / S	pecies			
1	2	3	4		5	6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape /	Local	Status	Source of Plants /	Associated TK	Part used	Other details	Community /
	Selentine Maine	Local Hame	Habitat	Past	Present	Seeds		i art uscu	other utums	Knowledge holder
Sorghum	Sorghum bicolor	Jowar	Warm climate crop	Plenty	Plenty	Agri. Deptt. /Private	It has resistance to desiccation and tolerate to water logging condition.	Whole plant	Soil with clay loam texture having good water retention capcity are best suitable for its cultivation	
Pearl Millet	Pennisetum typhoides	Bajra	tropical /sub- tropical climate	Plenty	Plenty	Agri. Deptt. /Private	High tillering crop	Whole plant	It is quick growing , disease and frost resistant	
Berseem	Trifolium alexandrinum	Berseem	winter forage.	Plenty	Plenty	Agri. Deptt. /Private	It is rich in Calcium and phosphorus	Part used whole plant. Repeated cuts can be taken .	Improves physical condion of soil . It can be grown in all types of soil except very light sandy soil	

				FORM	1AT: 4 We	eds (S	ub Trop	oical)				
1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local name	Affected	Impact	Landscape /	Loca	l status	Uses if any	Management	Associated TK	Other details	Community / Knowledge
			Сгор	Impact	Habitat	Past	Present		Options		other uctains	Holder
Shol	Local	Shol	Paddy	Broad leaf and consumed the nutrients of the plants and reduces the production	floating on the water	Plenty	Plenty	Nil	Drying of paddy field as a result leafs dry	-	Hady and wider adoptability, multiply very fast	Pahari Community
Shama	Local	Shama	Paddy	compete with nutritions, light and space with Paddy crop and reduces the production	Tall growing just like paddy	Plenty	Plenty	Nil	Use of weedicide	-	-	-
Dhoob	Cynodon dactylon	Dhoob	Maize	Weed emerg with the germination with Maize seed and grow along with plants till the early growth period and cause sever crop weed compitation.	Grows with Maize crop	Plenty	Plenty		 1). 2-3 Weeding follwed by earthingup. 2). pre emergence appliation Atrazine @ 1- 1.25 Kg / per ha of 50% WP 		Losses caused by Weeds are more during early stage than in later stages.	
Bathua	Chenopodium sp	Baathu	Wheat	Broad leaf and consumed the nutrients of the plants and reduces the production	Germination in the field after 20 days	Plenty	Plenty	Nil	1.Use of weedicide		Hady and wider adoptability, multiply very fast	

Sitti	Phalaris minor	Sitti, Gehoon ka mama, Gulli Danda	Wheat	Compete with nutritions, light and space with wheat crop and reduces the productionNarrow Leav Weed	Grows with Wheat crop	Plenty	Plenty	Nil	1. Use of Weedicides metribuzinie @200Gms/ha dissolved in 500- 600 l of water		Hady and wider adoptability, multiply very fast	
Chauli	Amaranthus viridis	Chaulai	Sesame	Compete with nutritions, light and space with wheat crop and reduces the production.	grows with the sesame crop	Plenty	Plenty	eaten as a green leafy vegetable in parts of india	Alachlor (1.0) or Thiobencarb(2.0).	In rainfed conditions herbicide use is very limited due to low yield, ehich may not compensate for the cost of the herbicide.	Hady and wider adoptability, multiply very fast	
Dhoob	Cynodon Doctylon	Dhoob, Bermuda Grass	Sesame	Compete with nutritions, light and space with wheat crop and reduces the productionNarrow Leav Weed	grows with the sesame crop	Plenty	Plenty	Nil	Alachlor (1.0) or Thiobencarb(2.0).		Hady and wider adoptability, multiply very fast	
Jangli Pudina	Agerantum conyzoides	Goat weed , Jangli pudina	Mustard	Broad leaf and consumed the nutrients of the plants and reduces the production	grows with mustard crop	Plenty	Plenty	Nil	.Use of weedicide		90-100 cm tall hairy herbaceous unpleasant smell	
Krishna Neel	Anagallis Arvensis	Blue Pimpernel	Mustard	Compete with nutritions, light and space with wheat crop and reduces the production.	grows with mustard crop	Plenty	Plenty	Nil	.Use of weedicide		Hady and wider adoptability, multiply very fast 10- 30 cms tall	

Satyanashi	Argemone Mexicana	krishnaneel	Mustard	Compete with nutritions, light and space with wheat crop and reduces the production.	commonly found in the waste lands. But also grow along mustard	Plenty	rare	1.used in Ayurveda medicinal properties 2. used for reclaimation of alkaline soils. Satyanashi oil is famous for termite control			Hady and wider adoptability, multiply very fast	
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				FOR	MAT: 5 Pests o	of Crop (Sub Tropical))		
1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific Name	Local name	Habitat	Time / Season of Attack	Management Mechanism	Associate TK	Other details	Community / Knowledge Holder
Paddy	Grasshopper	Hieroglyphus niogrorepletus	Tidda , Raja da Gorha ,	Polyphagus	June to Novemeber	1.Destroy eggs by cleaning bunds 2. Spray the bunds with Malathion 5 % D @ 25 Kg / Ha	Both nymphs and Adults feed on the leaves , they devour the young shoots and newly farm ear heads.	Adults are like locust but smaller in size	
Paddy	Rice Hispa	Dicladispa armigera	Neela tittu	Appeaqrs in all varieties of rice	July -Sep	1. Clip the affected tips of leaves before transplanting	Quinalphos 25EC 1 litre per ha in 750 ltr of water	The grubs this pest mine into the leaves and adults are external fedders.	
	Field Rats	Bandicota sp. Tatera sp.	Chua, Kees,	Burrow in soil. Rats are found in nearly all areas of Earth which are inhabited by human beings.	Through out the year	 Poison baiting Bund trimming to minimize harborage Use indigenous traps 	They cause have loss to standing wheat crop and harvested crop in stores.		
Wheat	Termites	Microtermes obesi	seenak, seonk, white ant,	Generally appears at wet places, lives in nests made under ground	Through out the year	 Destroy termitaria in an around field Never use raw FYM For termites control in standing crop, dilute 41 of chlorpyriphos 20EC in 51 of water and mix in 50 kg of sand thoroughjly . Boradcast this treated soil in the infested areas. 	These are Social insect that lives under gound in colonies.	The demage plant dry up completely and are easily pulled out	

Cole Crops	Cabbage Butterfly	Pieris brassicae	Titali	The large white butterfly's habitat consists of large, open spaces, as well as farms and vegetable gardens, because of the availability of its food source.	Oct onwards	1. Release of Trichogramma chilionis @50000 adults/ha per release (6 times)at weekly interval in Mid January 2. Donot spray the crop near harvesting			
Cucurbits	Fruit fly	Bactrocera cucurbitae	Titali	Fruit flies are of concern both as nuisance pests and as serious contaminators of food.	After Summer Rains when Humidity is high.	1. Install methyl eugenol traps @ 5-100/Ha. 2. Spray Malathion @ 1ml +10 Grms gur/ ltr of water at evening hours when fruits flies are congregated on the leave surface.	Female fruit flies lay their eggs on the surface of rotting fruits and vegetables. Each female may lay as many as 500 eggs. These eggs hatch into larvae which molt twice before becoming fully grown.	Adults may be dull yellowish, brownish yellow, or brownish black in color and range from 1/10 to 1/5 inch long. Most species have red eyes. Larvae are very small (ranging from 1/10 to 1/5 inch long), dirty white, and maggot-shaped. They can be recognized by the stalked posterior spiracles on the last abdominal segment.	
Brinjal	Brinjal Fruit & Shoot Borer	Leucinodes orbonalis		Tropics & Sub tropics	Rainy Season	1. Regular clipping of infested shoots and fruits and destroy them 2. Installation of Pheromone traps @ 100/Ha. 3. Spary Cypermethrin @ 1ml/Ltr. Of water	Caterpillars bore into the shoots and fruits. The hole remains plugged with black excreta		
Sesame	Hairy Caterpillars, Leaf rollers, Pod borer, Aphids, White fly			Sub Tropics	kharif Season	dust the crop with chloropyriphos 1.5%D or lindane1.3%D@1.25KG/Kanal or carbyl50%WP75g/kanal	All these insects suck the cell sap of the crop from leaves and pods. Also spread yellow mosaic virus (white fly)		

Mustard	Mustard Aphids	Lipaphis erysimi	Tella, Keeda	Mostly in late sown crop . Mostly during mid Jan	A.cultural control (i) Early sowing of crop by first fortnight of october. (ii) Use recommended dose of fertlizer B. Biological control. (i) Conserve potential bio control agents like parasitoids, Ladybird beetles. C. Chemical control (i) Combination of chloropyriphos + acitamiprid 0.05% is highly effective. (ii) .Spray Chloropyriphos 20 EC or imidacloprid @0.5ml/lt water.	These insects attack tender growth if the plants especially new shoots , young leaves , flowers and pods.	
	Mustard Sawfly	athalia lugens proxima	Makhi	Rabi Season	Spray crop with carbyl 50 WP@1.5kg/ha.	The larve attack young crop , bite holes and skeletonize leaves completely such plants do not bear seeds	
	Hairy Catterpillar		luhri	rabi season	collect and destroy cogregating caterpillars spray the crop 0.03% quinalphos 20 EC@1.25L of water/ ha	they feed on leaves, ypung shoots and green pods	
	Blister Beetal	mylabris pustulatus	kida	comes at flowering stage	use of thiodicarb 0.09% can control the pest	Mainly feed on the reproductive parts of the plants. Yield is redused.	
	Leaf roller	syllepta derogata	kida		Spray Quinalphos 25EC (2ml/lt of water or carbyl 4gm/lt water to control	larve feed on the okra leaves and in severe infestation the whole plant gets defoliated	

Okra	Whitefly	bemisia tabaci	makhi	habitat consists of farms and vegetable gardens, because of the availability of its food source.	comes during the vegetative stage of the crop	 4-5 Foliar spray of Imidacloprid 0.02% 0R DIMETHOATE 0.05% at an interval of 10 days. 	The milky minute white fly sucks the sap from the leaves. Tne affected leaves curl and dry. The plant shows stunted growth	the yellow vien mosaic virus	
	Fruit and Shoot Borer	earias vittela	luhri	Occurs through out the country	Occurs during the humid conditions especially after the rainfal	Spay quinalphos 25EC(2ml/lt of water or carbyl 4gm/lt water to control	Adult female lays eggs on the leaves, floral buds and tender fruits. Small brown caterpillar bore into the shoots and later on they bore into the fruits.		
	Mealy Bug	phenacoccus solenopsis				spray quinalphos 25EC or 625g of Thiodicarb 75WP in 500 lt of water.	both nymph and adults suck the sap of the leaves , flowers , buds,fruit of the plant.	This is very destructive insect and needs to be controlled in its early stages of growth	
Tomato	Fruit borer	helicoverpa armigera	kida , luhri	Habitat consists of farms and vegetable gardens, because of the availability of its food source.	they appear the flowering stage of the crop.	Spray of Endosulfan (0.07%) or Dichlorovos (0.1%) should be sprayed to control the insect.	Damage starts from flowering .Eggs are laid on young leaves which are damaged by young larvae. Later they migrate to developing fruits. They bore the fruit with half of the body out side the fruit.	One larva feeds on many fruits.causing 5-50% losses.	
	Serpentine leaf minor	liriomyza trifolli	kida	this has become a common problem now a days	appear at vegetative stage of the crop	spray the azadiractin (neem oil)5ml/lt of water. Repeat after fortnight. Or spray triazophos (0.05%)	the larvae mine the leaves especially the basal leaves.	If more sprays are given due to mortality of natural enemies. Pest increases. Application of granular insecticide increases the incidence.	

	Cut Worm	Agrotis ipsilon	Luhri	Occurs through out the country but especially Hilly areas	July onward.	1. Install light traps @2/Ha 2. Install Pheromones traps @40/Ha to attract to kill the male moths 3. Chlorpyriphos 30EC@3ml/of water	Larva cut the seedling at the ground level .	They live in soil during the day and feed at night . The caterpiller are in grey in colour	
Gram	Termites	Microtermes obesi	seenak, seonk, white ant,	Generally appears at wet places, lives in nests made under ground	Through out the year	 Destroy termitaria in an around field Never use raw FYM For termites control in standing crop, dilute 4l of chlorpyriphos 20EC in 5l of water and mix in 50 kg of sand thoroughjly. Broadcast this treated soil in the infested areas. 	These are Social insect that lives under gound in colonies.	The damage plant dry up completely and are easily pulled out	

			Format:6 Marl	ket for domesticate	ed Animals			
1	2	3	4	5	6	7	8	9
Name of the market and location	Weekly (D) /Fortnightly (D)/Monthly (D)/ bi annual (M)/ Annual(M)	Tpes of animal bought and sold	Types and average no. of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold/transported	Name and the location of the fish market	Types of the 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 seasons of access	Landscape management practices	Resource management practices	Cast/Tribe	Social condition	Nature of inhabitants	No. of HHs
1706	246 Farming (Agriculture)	1 Animal Husbandary 2.Collection of NTFP 3. Fishing	Agriculture landscape	Land, water, labour, capital, improved agriculture inputs and biodiversity for sustaining the profitability of agriculture, maintaining livelihoods and social well-being in rural communities. Seasons : KHARIF AND RABI	manage crops and better fertilizer	1.Tillage practices and reconsolidation 2. Plant and Crop rotation 3.Irrigation management 4. Proper use of maure and fertilizer 5. IPM				

						Forma	it 8: Landscaj	pe					
	1		2	3	4	5	6	7	8	9	10	11	12
Major	· Landsca	pes		Features and	Ownershin	General flora	General	User	Management	General uses	Associated TK	Other	Community
Agricultural land	Pond	Fallow Land	Landscapes	approx. Area	owner snip		fauna	groups	practices	General uses		details	accessed
Plains & Kandi areas			Plains	hilly as wellas	Forest land,Private ,s tate lands,	Broad leaved mainly	Domestic animals, wildlife such as porcupine, jackal etc.	as pvt,and		Plantation and agriculture			
			Hillocks	plain terrain with gentle slope	Forest land,Private ,s tate lands,	Broad leaved and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	as pvt,and		Plantation and agriculture			
Shiwalik areas			Hills	Hills with gentle slopes	Forest land,Private ,s tate lands,	Broad leaved and conifers	Domestic animals, wildlife such as porcupine, jackal etc.	as pvt,and		Plantation and agriculture			

	Format 9: Waterscape												
1	2	3	4	5	6	7	8	9	10	11	12	13	
Waterscape element type	Sub- type	Features and approx area	Ownership	General flora	General fauna	Major uses	User groups	Management practices	General uses	Associated TK	Other details	Community accessed	
Ponds			Forest land and Private land	kamal,Baryan,	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public						
Streams			Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public						
Tube well			Forest land and Private land		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public						
Dug wells			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public						
Canals			Private		Snakes		public						
Hand pumps			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public						
Bowlis			Private		Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public						

	Format 10: Soil type												
1	2	3	4	5	6	7	8						
Soil Type	Color & texture	Features	Soil Management	Plants / Crop Suitable	Flora and Fauna	Associate TK	Other Information						
Lithosols	Gravelly loam to Gravelly silty Loam	pH 7.1-7.8, Occur on steep slopes in the forest hills of 400- 600 mtrs. 33-38% Water Holding Capacity	Use of Organic matter	Maize & Fodder Crops	-	-	-						
Alluvial Soils	Loamy Soils	pH 7.0-7.7, Organic Carbon 0.28-0.61%	Use of Organic matter	Wheat, Vegetables	-	-	-						

	Format-11: Fruit Trees												
1	2	3	4	5	6		7	8	9	10	11	12	
S. No.	Plant Tuna	Logal Nama	Scietific Name	Variaty	Landscape/	Local status		Source of	Season of	I. I		Other details	
S. No.	Plant Type	Local Name	Scietific Name	Variety	Habitat	Past	Present	Seeds/ Plants	Fruiting	Uses (usages)	Associated TK	maret/ own use	
1	Woody Tree	Amb	Mangifera indica	Local, Dashehari, Malda, Amrapali, Mallika, Langra, Swarn Rekha, Chausa, Fazli, Totapuri, Ramkila, Baramasi.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to August	Sucking, table, processing	Record vailable in old books.	Own uses and sold in market	
2	Woody Tree	Lychee	litchi chinensis	Dehradun, Calcutti, Seedless, Rose Scented	Sub-tropical	Good	Good	Layered plants.	March to July	Table and processing	Introduced by traders and domesticated locally.	Own uses and sold in market	
3	Woody Tree	Amrood	Pidium guajava	Local, Allahbad, Sardar, Lalit, Arka Amulaya, Sheveta, Punjab Pink	Sub-tropical	Good	Good	Seedling trees, grafted/ layered.	March to August, Dec. To January	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	
4	Climber	Angoor	Vitis vinifera	Local, Perllet, Beauty Seedless	Sub-tropical	Good	Good	Cuttings	Feb. To June	Table and processing.	Introduced by traders and domesticated locally.	Own uses and sold in market	
5	Woody Tree	Amla	Emblica officinalis	Local, Banarsi, Neelam, NA 7.	Sub-tropical	Good	Good	Seedling trees, grafted plants.	March to Nov.	Processing	Record vailable in old books.	Own uses and sold in market	
6	Woody Tree	Mosammi	Citrus sinensis	Mosambi, Jaffa, Red Blood	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record vailable in old books.	Own uses and sold in market	

7	Woody Tree	Sangtra	Citrus reticlata	Kinnow, Sangtra	Sub-tropical	Good	Good	Grafted Plants	March to Jan.	Table and processing.	Record vailable in old books.	Own uses and sold in market
8	Woody Tree	Nimboo	Citrus aurantifolia	Local, Kagzi, Italian, Eureka	Sub-tropical	Good	Good	Grafted Plants	March to Oct.	Processing.	Record vailable in old books.	Own uses and sold in market
9	Woody Tree	Galgal	Ctrus limon	Local	Sub-tropical	Good	Good	Seedling andn Grafted Plants	March to Sept.	Processing.	Record vailable in old books.	Own uses and sold in market
10	Woody Tree	Kimb	Ctrus medica	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Processing.	Record vailable in old books.	Own uses and sold in market
11	Woody Tree	Jamiri	Citrus jambhiri	Local	Sub-tropical	Good	Good	Seedling trees	March to Oct.	Processing, root stock	Record vailable in old books.	Own uses and sold in market
12	Woody Tree	Mithoo	Citrus limettoides	Local	Sub-tropical	Good	Good	Seedling trees	March to Sept.	Table and processing.	Record vailable in old books.	Own uses and sold in market
13	Woody Tree	Kumquat	Citrus x floridana	Local	Sub-tropical	Good	Good	Grafted Plants	March to Jan	Processing.	Record vailable in old books.	Own uses and sold in market
14	Woody Tree	Narangi	Citrus tangerina	Local	Sub-tropical	Good	Good	Grafted Plants	March to Dec.	Ornamental and processing.	Record vailable in old books.	Own uses
15	Woody Tree	Ber	Zizyphus mauritiana	Umran, Katha, Seb	Sub-tropical	Good	Good	Grafted Plants	March to Nov.	Table purposes	Record vailable in old books.	Own uses and sold in market
16	Woody Tree	Phowari Ber	Zizyphus jujuba	Local	Sub-tropical	Good	Good	Seedlings	March to Nov.	Table purposes	Record vailable in old books.	Own uses and sold in market
17	Bush	Phalsa	Grewia subinaequalis	Local	Sub-tropical	Good	Good	Seedlings and Cuttings	March to July	Processing	Record vailable in old books.	Own uses and sold in market

18	Woody Tree	Jamun	Syzygium cumini	Local	Sub-tropical	Good	Good	Seedlings and Grafted	March to July	Processing	Record vailable in old books.	Own uses and sold in market
19	Woody Tree	Anar	Punica granatum	Local, Ganesh, Kandhari,	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes and processing	Record vailable in old books.	Own uses and sold in market
20	Woody Tree	Lasooda	Cordia myxa	Local	Sub-tropical	Good	Good	Seedlings	March to June	Processing purposes	Record vailable in old books.	Own uses and sold in market
21	Bush	Gerna	Carissa carandas	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record vailable in old books.	Own uses and sold in market
22	Woody Tree	Bill	Aegle marmalos	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes and processing	Record vailable in old books.	Own uses and sold in market
23	Woody Tree	Seb	Malus X domestica	Summer apple	Sub-tropical		Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market
24	Woody Tree	Nakh	Pyrus communis	Pathar Nakh	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market
25	Woody Tree	Aru	Prunus persica	Local, Sun Red, Florida Sun	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market
26	Woody Tree	Aloocha	Prunus saliciana	Kala Amritsari, Alucha	Sub-tropical	Good	Good	Grafted Plants	Feb. to June	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market

27	Herb	Strawberry	Fragaria x ananassa	Chandler	Sub-tropical	Good	Good	Plant Runners	Mach to May	Table purposes and processing	Introduced by traders and domesticated locally.	Own uses and sold in market
28	Woody Tree	Shahtoot	Morus alba	Local, China	Sub-tropical	Good	Good	Cuttings	March to July	Table purposes, rearing Silkworms.	Introduced by traders and domesticated locally.	Own uses and sold in market
29	Woody Tree	Fig	Ficus carica	Local	Sub-tropical	Good	Good	Seedlings	March to July	Table purposes.	Introduced by traders and domesticated locally.	Own uses and sold in market
30	Woody Tree	Dew	Atrocarpus lakoocha	Local	Sub-tropical	Good	Good	Seedlings	March to July	Pickle Purposes.	Record vailable in old books.	Own uses and sold in market
31	Woody Tree	Jackfruit	Atrocarpus heterophyllus	Local	Sub-tropical	Good	Good	Seedlings	March to July	Pickle Purposes.	Record vailable in old books.	Own uses and sold in market
32	Soft Tree	Papita	Carica papaya	Local Red Lady, Pusa Nana	Sub-tropical	Good	Good	Seedlings and hybrids	March to Nov.	Table purposes.	Record vailable in old books.	Own uses and sold in market

	Format 12: Medicinal Plants (Herbs, Shrubs, Trees etc.)												
1	2	3	4	5	6		7		9	10	11	12	
				Landscape/	Source of	Local	status	Uses		Associated	Other details	Community/	
Plant Type	Local Name	Scientific Name	Variety	Habitat	plant/seeds	Past	Present	(usage)	Part used	TK	market/own	Know.	
Herbs	Dudlu	Taraxacum officinale		Temperate area	Root	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community	
Herbs	Tarad	Dioscorea belophylla		Lower shiwalik	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community	
Herbs	Jungli putna	Mentha arvensis		Lower shiwalik/Temperat e 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	Adha toda vesica		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community	
Shrubs	Drainkdu	Murraya koenigii		Sub-Tropical area	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community	
Shrubs	Dussa	Colebrookia oppositifolia		Lower shiwalik	Seed	Abundant	Abundant	nil	Flower	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 sativia		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	Rare	Rare	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	Angle mermelos	Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	Melia azedarach	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	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Karal	Bauhinia variegata	Lower shiwalik	Seed	Rare	Rare	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	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Lusada	Cordia dichotoma	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mangoo	Mangifera Indica	 Lower shiwalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community

			i								· · · · · · · · · · · · · · · · · · ·
Tree	Retha	Sapindus Mukorossii	 Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	Ficus racemosa	Lower shiwalik	Seed	Rare	Rare	nil	Leaves	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	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Tuni	Toona ciliata	Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Arjun	Terminalia arjuna	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Bheda		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Amla	Amblica officinales	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	Azadirecta indica	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
tree	Khair	Accacia catechu	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Shrubs	Bhang	Cannabis sativum	Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Bark	N.A	N.A	Generally, held by community

			For	mat 13: Orna	imental Plants/	Trees/Climbers	etc.		
1	2	3	4	5	6	7	8	9	10
Plant type	Local Name	Scientific Name	Variety	Source of Plant/Seeds	Commercial/Non- commercial	Uses	Associated Tk	Other Details	Community/ Knowledge Holder
Ornamental Tree	Kachnar	Bauhinia Variegata		Nurseries/Forest	Non commercial	Ornamental /Landscaping	Used for Dysentry, Diarrhoea	Pink flowers in Summer	Floriculturists/ Nurserymen/ Gardeners
Bushes/	Nerium	Nerium Oleander		Nurseries	Non commercial	Ornamental	Epiplepsy, cancer	Avenue plantation	Floriculturists/
Shrubs	Nerium	Iverium Oleanaer		Indiseries	Non commerciar	/Landscaping	Epipiepsy, cancer	Avenue plantation	Nurserymen/ Gardeners
Bushes/	Kaner	Thevetia		Nurseries	Non commercial	Ornamental	Fevers	Flower most of the	Floriculturists/
Shrubs	Kaner	Peruviana		Truisenes	Non commercial	/Landscaping	i evers	year	Nurserymen/ Gardeners
Bushes/	Bottle Brush	Callistemmon spp.		Nurseries	Non commercial	Ornamental	Theraputic uses	Foilage and flowers	Floriculturists/
Shrubs	Bottle Blush	Cullistemmon spp.		Indiseries	Non commercial	/Landscaping	Theraputic uses	r onage and nowers	Nurserymen/ Gardeners
Bushes/	Bogan Bael	B.Sp & hybrids		Nurseries	Non commercial	Ornamental	Antidiabetic,	Multicoloured	Floriculturists/
shrubs	bogan baei	Б.Sp & nyorias		Inurseries	Non commercial	/Landscaping	antiinflammatory	flowers	Nurserymen/ Gardeners
Bushes/		Hibiscus			N 1	Ornamental	Used in fever,	Flower throughout	Floriculturists/
Shrubs	Hibiscus	Rosasinensis		Nurseries	Non commercial	/Landscaping	constipation	the year	Nurserymen/ Gardeners
Bushes/					NI '1	Ornamental	Used in Hepatitis,	Flower throughout	Floriculturists/
Shrubs	Motia	Jasminum sambac		Nurseries	Non commercial	/Landscaping	dysentry	the year	Nurserymen/ Gardeners

Herbs Seasonals	Guldopahar	Portulaca Grandiflora	Nurseries	Non commercial	Ornamental/ Landscaping	Antioxidant, antibacterial	Summer annual flower	Floriculturists/ Nurserymen/ Gardeners
Pot Plants	Agave	Agave angustifolia	Nurseries	Non commercial	Ornamental/ Landscaping	Traditional medicines	Succulent	Floriculturists/ Nurserymen/ Gardeners
Pot Plants	Thur	Cactus spp	Nurseries	Non commercial	Ornamental/ Landscaping	Folk medicines	Thorny succulents	Floriculturists/ Nurserymen/ Gardeners

			F	ormat 14: T	imber Plant	s / Trees					
1	2	3	4		5	6	7	8	9	10	
Diant Tuna	Local Name	Scientific Name	Habitat	Local	status	Wild/ home-	Other uses	Associated	Other details	Community/ Know.	
Plant Type	Local maine	Scientific Ivanie	парна	Past	Present	garden	(multi)	ТК	Other details	holder	
Trees	Kiker	Acacia nilotica	Lower shiwalik	Rare	Rare	Wild	own	nil	nil	Generally, held by community	
Trees	Mangoo	Mangifera indica	Lower shiwalik	Abundant	Abundant	Wild/ Home- Garden	own	nil	nil	Generally, held by community	
Trees	Safeda	Eucalyptus spp.	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	nil	Generally, held by community	
Trees	Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community	
Trees	Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community	
Trees	Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community	
Trees	Popular	Populus ciliata	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community	
Trees	Jammun	Syzygium cumini	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community	

				For	mat 15: Do	mesticat	ed Anima	als				
1	2	3	4	5	6		7	8	9	10	11	12
Animaltura	Loool Nome	Scientific Name	Breed(Local/	Feature	Method of	Local	status	Uses	Associated	Commercial	Other details including	Community
Animal type	Local Name	Scientific Mame	High breed)	reature	keeping	Past	Present	Uses	ТК	rearing	products and servicing	Knowledge Holders
	Ghan,	Bos indicus	Non descript	Low yield	backyard	Abundent	Decresed	dairy	NIL	No	Milk	All
Cattle	Jursy Ghan,	Bos taurus	CV Jersey	Dished force	backyard/ commercial	Few	Increased	dairy	NIL	Yes	Milk	All
	Austrilian Ghan	Bos taurus	CV HF	Black and white spotted	backyard/ commercial	Few	Increased	dairy	NIL	Yes	Milk	All
Buffallo	Manj	Bubalis	Local	Low yield	backyard/ commercial	Abundent	Decresed	dairy	-	No	Milk	Gujjar community
Bullano	Punjabi Main	Bubalis	murrrah	Sickle shaped horns	backyard/ commercial	Few	increased	dairy	-	Yes	Milk	all
Horse	Ghora	Eqaus coballus	Local	red coloured body	backyard/ commercial	Abundent	Decresed	pack purpose	-	No	Pack	Bakarwals
	Kukar	Golus domestics	Local	meat	backyard/ commercial	Abundent	Decresed	meat	-	No	Egg &MEAT	all
Poultary	Farmi Kukar	Golus domestics	chabro	good eggs	backyard/ commercial	Few	increased	meat/eggs	-	No	Egg &MEAT	all
	Broiler	Golus domestics	hybrid	white colour	deep Litter	few	increased	meat	-	Yes	meat	all

	Kutta	Canis familiares	Local	-	Stray	Abundent	Abundent	-	-	No	-	Stray
Dog	Bakarwali Kutta	canis familiares	Bakarwali	Black/Brown colour	Household	Abundent	Abundent	Companion	-	No.	-	Bakarwals
Piegon	Kabootar	Kolumbia Libia domestic	Local	ring around neck	caged	rare	rare	sports and meat	-	No.	-	-
Bsmint Sheep	Bhed	Ovis	Ramboulet	white colour,	migratory	-	-	Muttan	-	Yes	Mannure used traditionally	Local
		Aries	Cross Breed	White face and long tail	Stationery	-	-	Wool	-	Available	agriculture fields	Non local
Sheep	-do-	-do-	non descript	Mixed colour long face short tail	Stationery	-	-	-do-	-	-do-	-do-	-do-
Goat	Bakri	Caprahircus	Beetal	Long ears, Romen Nose and red and black colour mostly	-do-			Milk, Chaobon		-do-	Hair and heights used tarditionally make that backdrum ectm	-do-
Goat	-do-	-do-	Kaghani	Long hair short eras cured hornes mostly light grey clour	Migratory			-do-	-	-do-	-do-	-do-

					Format 16	: Cultur	e Fisherie	es.						
1	1 2 3 4 5 6 7 8 9 10 11 12													
												Community		
		Name			(pond/bberi/talao)	Past	Present		ТК	rearing		Know. Holders		
Nil	Nil													

	Format 1	17: Markets /	Fairs for Domes	sticated Animals,	Medicinal Plants	and other produ	ıcts	
1	2	3	4	5	6	7	8	9
Name of the market and location	Weekly (D) /Fortnightly (D)/Monthly (D)/ biannual (M)/ Annual(M)	Tpes of animal bought and sold	Types and average no. of animals transacted in a day	Places from which animals are brought	Places to which the animals are sold/transported	Name and the location of the fish market	Types of the fishes sold	Source of fish

			Format	18: Trees, Sł	ırubs, He	rbs, Tube	ers, Grasse	s, Climbers etc	•		
1	2	3	4	5		6	7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local	status	Commercial	Part collected	Associated TK	Other details	Community
			IIIIDIC	monut	Past	Present	/ own use	T un t concetteu			Knowledge Holder
Trees	Aaran	Prunus persica	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Trees	Amla	Phyllanthus emblica	Trees	Lower shiwalik	Rare	Rare	own	Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Baadh	Ficus religiosa	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Bair	Ziziphus xylocarpa	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Bheda	Terminalia bellerica	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Bill-Patre	Angle mermelos	Trees	Lower shiwalik	Rare	Rare	own	Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Cambel	Lannea coromandelica	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Charmood	Ehretia laevis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Cheundi	Xylosma longifolium	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Chilla	Casearia tomentosa	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Dhaman	Grewia optiva	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem/Bark	nil	nil	Generally, held by community
Trees	Drankh	Melia azedarach	Trees	Lower shiwalik	Abundant	Rare	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Fakwara	Ficus palmata	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community

Trees	Galdey	Rhamnua triquetra	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Guvava	Psidium guajava	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	posses medicinal properties	nil	Generally, held by community
Trees	Harad	Terminalia chebula	Trees	Lower shiwalik	Abundant	Abundant	own	Stem/Fruit	Good for digestion	nil	Generally, held by community
Trees	Jaman	Syzygium cumini	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	maintains sugar level in human body	nil	Generally, held by community
Trees	Kainth	Pyrus paschia	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kakad-Singhi	Pistacia khinjuk	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Kakuya	Flacourtia indica	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Kamla	Malotus philippensis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Karal	Bauhinia variegata	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Flower	nil	nil	Generally, held by community
Trees	Khair	Acacia catechu	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Khajur	Phoenix Sylvestris	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Kiker	Acacia Nilotica	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Kringal	Casia fistula	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Trees	Laana	Ficus hispidia	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Laseni	Leucaena leucocephala	Trees	Lower shiwalik	Rare	Abundant	own	Leaves	nil	nil	Generally, held by community
Trees	Lusada	Cordia dichotoma	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Mangoo	Mangifera Indica	Trees	Lower shiwalik	Abundant		own	Stem/Fruit	nil	nil	Generally, held by community
Trees	Ola	Albizzia chinensis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community

Trees	Pansra	Wendlandia heynei	Trees	Lower shiwalik	Rare	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Prag	Alnus nitida	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Retha	Sapindus Mukorossii	Trees	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Trees	Rumbal	Ficus racemosa	Trees	Lower shiwalik	Rare	Rare	commercial	Leaves	nil	nil	Generally, held by community
Trees	Safeda	Eucalyptus spp.	Trees	Lower shiwalik	Rare	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Sree	Albizzia lebbeck	Trees	Lower shiwalik	Abundant	Abundant	commercial	Leaves/Stem	nil	nil	Generally, held by community
Trees	Simbal	Bombax ceiba	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Talli	Dalbergia sissoo	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Tooth	Morus alba	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Trimbal	Ficus auriculata	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Fruit	nil	nil	Generally, held by community
Trees	Tuni	Toona ciliata	Trees	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community
Trees	Badoo	Ficous Banglensis	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Trees	Popular	Populus ciliata	Trees	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community
Trees	Arjun	Terminalia arjuna	Trees	Lower shiwalik	Rare	Rare	own	Leaves/Bark	nil	nil	Generally, held by community
Trees	Chuntar	Bischofia javanica	Trees	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Shurbs	Trimuru	Zantho xylum aurmatum	Shurbs	Lower shiwalik	Rare	Rare	own	Fruit	nil	nil	Generally, held by community
Shurbs	Kimb	Citrus karna	Shurbs	Lower shiwalik	Rare	Abundant	own	Fruit	nil	nil	Generally, held by community
Shurbs	Gandera	Thevetia peruviana	Shurbs	Lower shiwalik	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Anardana	Punica granatum	Shurbs	Sub-Tropical area	Rare	Rare	own	Fruit	nil	nil	Generally, held by community

Shurbs	brankad	Adha toda vesica	Shurbs	Lower shiwalik	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Shurbs	Drainkdu	Murraya koenigii	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Shurbs	Dussa	Colebrookia oppositifolia	Shurbs	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Shurbs	Akk	Ipomea fistulosa	Shurbs	Lower shiwalik	Abundant	Abundant	own		nil	nil	Generally, held by community
Shurbs	Garna	Carissa opaca	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves/Fruit	nil	nil	Generally, held by community
Shurbs	Thor/Shuu	Euphorbia royleana	Shurbs	Lower shiwalik	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Shurbs	Aakhe	Rubus ellipticus	Shurbs	Lower shiwalik	Rare	Abundant	own	Fruit	nil	nil	Generally, held by community
Shurbs	Bareyan	Acorus calamus	Shurbs	Sub-Tropical area	Abundant	Abundant	own	Root	nil	nil	Generally, held by community
Shurbs	Bhang	Canabis sativia	Shurbs	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Dudlu	Taraxacum officinale	Herbs	Temperate area	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Herbs	Brahmi Bhutti	Centella asiatica	Herbs	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Herbs	Tarad	Dioscorea belophylla	Herbs	Lower shiwalik	Abundant	Abundant	own	Root	nil	nil	Generally, held by community
Herbs	Jungli putna	Mentha arvensis	Herbs	Lower shiwalik/Temper ate area	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Herbs	Banfsha	Viola odorata	Herbs	Lower shiwalik/Temper ate area	Abundant	Abundant	own	Flower	nil	nil	Generally, held by community
Grass	Bamboo	Dendrocalamus strictus	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Drub/Khabbal	Cyanodon dactylon	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves	nil	nil	Generally, held by community
Grass	Monja	Saccharum benghalense	Grass	Temperate area	Rare	Rare	own	Stem	nil	nil	Generally, held by community
Grass	Kai/Kaana	Saccharum spontaneum	Grass	Lower shiwalik	Abundant	Abundant	own	Leaves/Stem	nil	nil	Generally, held by community

Climbers	Mlungar	Bouhania vahllaii	Climbers	Lower shiwalik	Rare	Rare	own	Leaves	nil	nil	Generally, held by community
Climbers	Galoi	Tinospora cordi	Climbers	Lower shiwalik	Abundant	Abundant	own	Stem	nil	nil	Generally, held by community

		Format 19: Wile	d 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	Amla	Phyllanthus emblica		economic/cultural	Abundant
2	Bair	Ziziphus xylocarpa		economic/cultural	Rare
3	Bheda	Terminalia bellerica		economic	Rare
4	Bill-Patre	Angle mermelos		Social/Culture	Rare
5	Drankh	Melia azedarach		economic	Abundant
6	Harad	Terminalia chebula		economic/cultural	Abundant
7	Jaman	Syzygium cumini		economic/cultural	Abundant
8	Kakad-Singhi	Pistacia khinjuk		economic	Abundant
9	Karal	Bauhinia variegata		economic	Abundant
10	Khair	Acacia catechu		economic	Abundant
11	Kringal	Casia fistula		social	Abundant
12	Lusada	Cordia dichotoma		economic	Rare
13	Mangoo	Mangifera indica		economic/cultural	Abundant
14	Retha	Sapindus mukorossii		economic	Rare

15	Rumbal	Ficus racemosa	economic	Rare
16	Sree	Albizzia lebbeck	economic	Abundant
17	Talli	Dalbergia sissoo	economic	Abundant
18	Trimbal	Ficus auriculata	economic	Abundant
19	Trimuru	Zantho xylum aurmatum	economic	Rare
20	Tuni	Toona ciliata	economic	Rare
21	Arjun	Terminalia arjuna	economic	Abundant
22	Anardana	Punica granatum	economic	Abundant
23	brankad	Adha toda vesica	economic	Rare
24	Drainkdu	Murraya koenigii	economic	Abundant
25	Dussa	Colebrookia oppositifolia	economic	Abundant
26	Dudlu	Taraxacum officinale	economic	Abundant
27	Thor/Shuu	Euphorbia royleana	economic	Rare
28	Bareyan	Acorus calamus	economic	Rare
29	Bhang	Canabis sativia	economic	Abundant
30	Brahmi Bhutti	Centella asiatica	Medicinal	Abundant
31	Tarad	Dioscorea belophylla	economic	Abundant
32	Jungli putna	Mentha arvensis	Medicinal	Abundant
33	Galoi	Tinospora cordifolia	Medicinal	Abundant

34	Banfsha	Viola odorata		Medicinal	Abundant	
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	Format 20 : Aquatic Biodiversity											
1	2	3	4	5 6 7 8 9 10								
	Scientific Name	Variety	Features	Habitat	Local	status	Uses	Associated TK	Other details	Community Knowledge		
Local Name	Scientific Name	v ar lety	reatures	Habitat	Past	Present	Uses	Associated TK	Other details	Holders		
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil		

	Format 21 : Wild Aquatic Plant Species of Importance										
1	2	3	4	5	6						
S.No.	Local Name	Scientific Name	Variety	Features	Habitat						
Nil	Nil	Nil	Nil	Nil	Nil						

	Format 22: Wild Plants of Medicinal Importance												
1	2	3	4	5		6		8	9	10	11		
Plant (Herb,	Local Name	Scientific Name	Variety	Landscape / Habitat	Local	Status	Associated	Uses (usage)	Part used	Other details market/ own	Community/		
Shrub, Tree)		Struit Name	v aritety	Lanuscape / Habitat	Past	Present	ТК	Uses (usage)	i art uscu	use	Knowledge Holder		
Herbs	Dudlu	Taraxacum officinale	Herbs	Temperate area	Rare	Rare	own	nil	Leaves	nil	Generally, held by community		
Herbs	Brahmi Bhutti	Centella asiatica	Herbs	Lower shiwalik	Rare	Rare	own	nil	Leaves	nil	Generally, held by community		
Herbs	Tarad	Dioscorea belophylla	Herbs	Lower shiwalik	Abundant	Abundant	own	nil	Root	nil	Generally, held by community		
Herbs	Jungli putna	Mentha arvensis	Herbs	Lower shiwalik/Temperate area	Abundant	Abundant	own	nil	Leaves	nil	Generally, held by community		
Herbs	Banfsha	Viola odorata	Herbs	Lower shiwalik/Temperate area	Abundant	Abundant	own	nil	Flower	nil	Generally, held by community		
Shrubs	Trimuru	Zantho Xylum Aurmatum	Shrubs	Lower shiwalik	Rare	Rare	own	nil	Fruit	nil	Generally, held by community		
Shrubs	Anardana	Punica granatum	Shrubs	Lower shiwalik	Rare	Abundant	own	nil	Fruit	nil	Generally, held by community		
Shrubs	brankad	Adha toda vesica	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil		nil	Generally, held by community		
Shrubs	Drainkdu	Murraya koenigii	Shrubs	Sub-Tropical area	Rare	Rare	own	nil	Fruit	nil	Generally, held by community		
Shrubs	Dussa	Colebrookia oppositifolia	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil	Flower	nil	Generally, held by community		
Shrubs	Thor/Shuu	Euphorbia royleana	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil	Leaves	nil	Generally, held by community		
Shrubs	Bareyan	Acorus calamus	Shrubs	Lower shiwalik	Rare	Rare	own	nil	Leaves	nil	Generally, held by community		
Shrubs	Bhang	Canabis sativia	Shrubs	Lower shiwalik	Abundant	Abundant	own	nil	leaves	nil	Generally, held by community		

	1				1		1		I		
Tree	Amla	Phyllanthus emblica	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Leaves	nil	Generally, held by community
Tree	Bair	Ziziphus xylocarpa	Tree	Lower shiwalik	Rare	Rare	own	nil	Stem	nil	Generally, held by community
Tree	Bheda	Terminalia bellerica	Tree	Lower shiwalik	Rare	Abundant	own	nil	Fruit	nil	Generally, held by community
Tree	Bill-Patre	Angle mermelos	Tree	Sub-Tropical area	Abundant	Abundant	own	nil	Root	nil	Generally, held by community
Tree	Drankh	Melia azedarach	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Leaves	nil	Generally, held by community
Tree	Harad	Terminalia chebula	Tree	Lower shiwalik	Abundant	Abundant	own	Good for digestion	Stem/Fruit	nil	Generally, held by community
Tree	Jaman	Syzygium cumini	Tree	Lower shiwalik	Abundant	Abundant	own	maintains sugar level in human body	Leaves/ Fruit	nil	Generally, held by community
Tree	Kakad-Singhi	Pistacia khinjuk	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Leaves/ Fruit	nil	Generally, held by community
Tree	Karal	Bauhinia variegata	Tree	Lower shiwalik	Rare	Rare	own	nil	Leaves/ Flower	nil	Generally, held by community
Tree	Khair	Acacia catechu	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Leaves/Stem	nil	Generally, held by community
Tree	Kringal	Casia fistula	Tree	Lower shiwalik	Rare	Rare	own	nil	Fruit	nil	Generally, held by community
Tree	Lusada	Cordia dichotoma	Tree	Lower shiwalik	Rare	Rare	own	nil	Leaves/Fruit	nil	Generally, held by community
Tree	Mangoo	Mangifera Indica	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Stem/Fruit	nil	Generally, held by community
Tree	Retha	Sapindus Mukorossii	Tree	Lower shiwalik	Rare	Rare	own	nil	Fruit	nil	Generally, held by community
Tree	Rumbal	Ficus racemosa	Tree	Lower shiwalik	Rare	Rare	commercial	nil	Leaves	nil	Generally, held by community
Tree	Sree	Albizzia lebbeck	Tree	Lower shiwalik	Abundant	Abundant	commercial	nil	Leaves/Stem	nil	Generally, held by community
Tree	Talli	Dalbergia sissoo	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Stem	nil	Generally, held by community
Tree	Trimbal	Ficus auriculata	Tree	Lower shiwalik	Rare	Rare	own	nil	Leaves/Fruit	nil	Generally, held by community

Tree	Tuni	Toona ciliata	Tree	Lower shiwalik	Abundant	Abundant	own	nil	Stem	nil	Generally, held by community
Tree	Arjun	Terminalia arjuna	Tree	Lower shiwalik	Rare	Rare	own	nil	Leaves/Bark	nil	Generally, held by community

			Fo	ormat 23: Wi	d relatives of (Crops			
1	2	3	4	5	6	7	8	9	10
Local Name	Scientific Name	Associated crop	Landscape / Habitat	Local Status	Uses (usage)	Part Used	Associated TK	Other details	Community / Know holder
Flai	Acacia Modesta	Kikker	Scattered in forest	Rare	Fodder	leaf/branches	Good for Teeth Healing		Generally, held by community
Jungli putna	Mentha arvensis	Putna	Along the Nalla's	Abundant	Medicinal use	Leaf	Medicinal Properties		Generally, held by community

	Format 24: Ornamental Plants												
1	2	3	4	5	6	7	8						
Local Name	Scientific Name	Variety	Habitat	Commercial/Non- commercial	Associated Tk	Other Details	Community/ Knowledge Holder						
Kachnar	Bauhinia Variegata		Terrestrial	Non commercial	Used for Dysentry,	Pink flowers in Summer	Floriculturists/						
Kacimar	Bauninia variegaia		Subtropical	Non commercial	Diarrhoea	Pink nowers in Summer	Nurserymen/Gardeners						
Nerium	Nerium Oleander		Terrestrial	- Non commercial	Eninteres	Avenue plantation	Floriculturists/						
Inerium	Nerium Oleanaer		Subtropical	Non commercial	Epiplepsy, cancer	Avenue plantation	Nurserymen/Gardeners						
Kaner	Thevetia Peruviana		Terrestrial	- Non commercial	Fevers	Flower most of the year	Floriculturists/						
Kaner	Thevella Peruviana		Subtropical	Non commercial	revers	Flower most of the year	Nurserymen/Gardeners						
Bottle Brush	Callistonmon ann		Terrestrial	- Non commercial	Therefore uses	Foilage and flowers	Floriculturists/						
Bottle Brush	Callistemmon spp.		Subtropical	Non commercial	Theraputic uses	Follage and llowers	Nurserymen/Gardeners						
Bogan Bael	B.Sp & hybrids		Terrestrial	Non commercial	Antidiabetic,	Multicoloured flowers	Floriculturists/						
Bogali Baci	B.sp & nybrius		Subtropical	Non commerciar	antiinflammatory	Multicoloured nowers	Nurserymen/Gardeners						
Agave	Agave angustifolia		Terrestrial	Non commercial	Traditional medicines	Succulent	Floriculturists/						
Agave	Aguve ungusujolla		Subtropical			Succurent	Nurserymen/Gardeners						
Thur	Castus spp		Terrestrial	Non commercial	Folk medicines	Thorny succulents	Floriculturists/						
Thur	Cactus spp		Subtropical		Poik medicines	Thorny succurents	Nurserymen/Gardeners						

	Format 25: Fumigate / Chewing Plants												
1	2	3	4	5		6	7	8	9	10	11		
Plant (Herb,	I NI.	C	1	H . L *4 . 4	Local	Status		Destand	Associated	Other details	Community		
Shrub, Tree)	Local Name	Scientific Name	Variety	Habitat	Past	Present	Uses (usage)	Part used	ТК	(mode of use)	knowledge holder		
Shrub	Trimuru	Zanthoxylum aurmatum	-	Forest	Rare	Rare	use for teeth Cleaning/ Medicinal Purpose	Fruit,Branches	-	-	Generally, held by community		
	brankad	Adha toda vesica	-	Locally present	Abundant	Abundant	Medicinal purpose	Flower	-	-	Generally, held by community		
	Drainkdu	Murraya koenigii	-	Locally present	Abundant	Abundant	Edible	Leaf	-	-	Generally, held by community		
	Bana	Vitex negundo	-	Locally present	Rare	Rare	use for teeth Cleaning	Branches	-	-	Generally, held by community		
Tree	Flai	Acacia Modesta	-	Forest	Rare	Rare	Medicinal purpose	Branches	-	-	Generally, held by community		
	Kiker	Acacia Nilotica	-	Forest	Rare	Rare	use for teeth Cleaning	Branches	-	-	Generally, held by community		

			Format 2	26: Timber	· Plants			
1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local S	Status	Other Uses, if	Associated TK	Other Details	Community/ Knowledge
	Security (value	Habitat	Past	Present	any	Associated TR	other betails	Holder
Bheda	Terminalia bellerica	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Bill-Patre	Angle mermelos	Lower shiwalik	Rare	Rare	own	posses medicinal properties	nil	Generally, held by community
Cambel	Lannea coromandelica	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Cheundi	Xylosma longifolium	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Dhaman	Grewia optiva	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Drankh	Melia azedarach	Lower shiwalik	Abundant	Rare	own	nil	nil	Generally, held by community
Harad	Terminalia chebula	Lower shiwalik	Rare	Rare	own	Good for digestion	nil	Generally, held by community
Jaman	Syzygium cumini	Lower shiwalik	Abundant	Abundant	own	maintains sugar level in human body	nil	Generally, held by community
Kainth	Pyrus paschia	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Kakad-Singhi	Pistacia khinjuk	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Kamla	Malotus philippensis	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Karal	Bauhinia variegata	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community

Khair	Acacia catechu	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Kiker	Acacia Nilotica	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Lusada	Cordia dichotoma	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Mangoo	Mangifera Indica	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Ola	Albizzia chinensis	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Prag	Alnus nitida	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Retha	Sapindus Mukorossii	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Safeda	Eucalyptus spp.	Lower shiwalik	Rare	Abundant	commercial	nil	nil	Generally, held by community
Sree	Albizzia lebbeck	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Simbal	Bombax ceiba	Lower shiwalik	Abundant	Abundant	commercial	nil	nil	Generally, held by community
Talli	Dalbergia sissoo	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Tooth	Morus alba	Lower shiwalik	Rare	Abundant	own	nil	nil	Generally, held by community
Trimbal	Ficus auriculata	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community
Tuni	Toona ciliata	Lower shiwalik	Abundant	Abundant	own	nil	nil	Generally, held by community
Popular	Populus ciliata	Lower shiwalik	Rare	Abundant	own	nil	nil	Generally, held by community
Arjun	Terminalia arjuna	Lower shiwalik	Rare	Abundant	own	nil	nil	Generally, held by community
Chuntar	Bischofia javanica	Lower shiwalik	Rare	Rare	own	nil	nil	Generally, held by community

			Fo	ormat 27 A:	Coastal and	d Marine Flor	a			
1	2	3	4		5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local	Local Status		Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder
				Past	Present	(if any)	Uses (II any)		IK	Knowledge Holder

	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	Parts Collected (if		Other Uses	Associated TK	Community/ Knowledge Holder
Annnai Type	Local Manie	Scientific Ivanie	Habitat	Past	Present	any)	(if any)	Other Uses	Associated TK	Knowledge Holder

		Format	28: Wild	Animals (M	ammals, Bird	ls, Repti	iles, Amp	hibia, Ins	sects, other	s)		
1	2	3	4	5	6		7	8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when	Local	Status	Uses (if	Associated	Mode of Hunting,	Other details	Community/ Knowledge
					seen	Past	Present	any)	ТК	collecting (if any)		Holder
Mammals	Chitra	Panthera pardus	Forest	-	Summer Season	-	-	-	-	-	-	Generally, held by community
Mammals	Jungali Billi	Felis chaus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Mangoose	Herpsters aurpunctatus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Jackal	Canis aureus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Indian Fox	Vulpes bengalensis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Five Stripped Palm Squirrel	Funambulus penanti	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Field Mouse	Mus boodnga	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Indian Porcupine (sahi)	Hustrix indica	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Barking Deer (Kakkarh)	Muntiacus mountjak	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Musk Deer (Kastura)	Moscus moschiferus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Hog Deer (Para)	Axis pornicus	Forest	-	-	-	-	-	-	-	-	Generally, held by community

Mammals	Indian Wild Boar (Jungali Sour)	Sus scrofa	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Phesus Macaque	Macaac mulatta	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Mammals	Red Fox (Lomari)	Vulpes vulpes	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Red Jungle Fowl	Gallus gallus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Common Pea Fowl	Pavo cristatus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Black Partridge	Francolinus francolinus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Common or Grey Quail	Conturnix conturnix	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Blue-Rock Pigeon	Columba Lioia	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Spotted Dove	Stretopelia chinesis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	White Backed Bengal Vultures	Psuedogypes bengalensis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Jungle Crow	Corvous marcorhynchos	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	House Crow	Corvous splendens	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Rollel or Blue Jay	Coracras bengalensis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Koel	Eudynamys scolopacea	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Common Hawk Cuckoo	Cuculus varius	Forest	-	-	-	-	-	-	-	-	Generally, held by community

Birds	Himalayan Tree Pie	Dendrocitta formosea	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Yellow Billed Blue Mapie	Urocissa erythrorhyncha	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Indian Myna	Acridotheres tristis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Blue Whistling Thrush		Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Black Headed Myna	Sturnus pagodarus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Wood Pecker	Dryobates himalayansis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Toota (Mansari)	Psittacula crameri	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Cheel	Milousmegrans	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Moor	Pavo cristatus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Tailor Bird	Orthotomous sustorius	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Indian Robin	Saxicolaides fulicata	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Paradise Fly Catcher	Terpsiphon paradisi	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	White Spotted Fantail Fly Catcher	Rhepidura albicollis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Whitte Breasted king Fisher	Halcyon amyrnensis	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	House Sparrow	Passer domesticus	Forest	-	-	-	-	-	-	-	-	Generally, held by community

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Birds	The Hoopoe	Upupa epops	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Himalayan Barred Owlet	Glaucidium culculoides	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	White Checked Bulbul	Pycnonotus leucogenys	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Birds	Goldern oriola	Oriolus oriolus	Forest	-	-	-	-	-	-	-	-	Generally, held by community
Reptiles	Cobra/Naag	Naja naja	Forest/ Cultivated Areas/Along Water Bodies	-	Summer Season	-	-	-	-	-	-	Generally, held by community
Reptiles	Krait/Sanjuth	Zamenies mucosus	Forest/ Cultivated Areas/Along Water Bodies	-	Summer Season	-	-	-	-	-	-	Generally, held by community
Reptiles	Python/Sangni	Python morulus	Forest/ Cultivated Areas/Along Water Bodies	-	Summer Season	-	-	-	-	-	-	Generally, held by community
Reptiles	Himalayan Pit Viper	Viper rusellii	Forest/ Cultivated Areas/Along Water Bodies	-	Summer Season	-	-	-	-	-	-	Generally, held by community
Amphibian	Amphibians	Mendak/meenk	rana tigrina	Pond/Land	Rainy Season	-	-	-	-	-	-	Generally, held by community
Amphibian	Amphibians	Toad/Dadu	Buff melanostictus	Pond/Land	Rainy Season	-	-	-	-	-	-	Generally, held by community

	Format 29: Flora (Urban Biodiversity)								
1	2	3	4	5	6	7			
S.No.	Local Name	Scientific Name	Type of Plant	Habitat	Flowering Season	Rare/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.				

	Format 31: Any other information of local importance								
1	2	3							
Sr. No.	Information of local importance	Remarks							

End of Part II