

## Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Chatha

Taluk/Tehsil: Satwari

District: Jammu

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti:

Population Of the Panchayat samiti...Total: 4000

Male= 2120

Female = 1880

Habitat and Topography: plain area

Climate (Rainfall, Temperature and other weather patterns): moderate rainfall

Land Use (Nine fold classification available with village records): Agriculture and horticulture

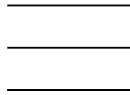
Date, Month and Year of PBR preparation: 29 june 2022

## Annexure 1

Details of Biodiversity Management Committee (BMC) of the panchayat (One elected Chairpe 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:					Ravinder Singh			
Age:					51			
Gender:					Male			
Address:					Chatha			
Area of specialization:								
2) Name:					Dalvir Kour			
Age:					43			
Gender:					FEMALE			
Address:					Chatha			
Area of specialization:								
3) Name:					Soman Devi			
Age:					38			
Gender:					FEMALE			
Address:					Chatha			
Area of specialization:								
4) Name:					Sunil Kumar			
Age:					35			
Gender:					Male			
Address:					Chatha			
Area of specialization:								
5) Name:					Bhadur lal			
Age:					45			
Gender:					MALE			
Address:					Chatha			
Area of specialization:								
6) Name:					Romi Kumar			
Age:					32			
Gender:					MALE			
Address:					Chatha			
Area of specialization:								
7) Name:					Ravi Kumar			
Age:					53			
Gender:					MALE			

Address:	Channi Nanak
Area of specialization:	





## Annexure-2

<b>List of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village</b>
1) Name :Sai das
Age: 62
Gender: male
Address: chatha
Area of specialization: skin infection
Location from which the person accesses biological material: forest
Perception of the practitioner on the resource status: satisfactory
Medicinal Use:
2) Name: Balak ram
Age: 54
Gender: male
Address: chatha
Area of specialization:health care
Location from which the person accesses biological material: allopathy
Perception of the practitioner on the resource status:satisfactory
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:

### Annexure 3

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

1) Name of the Chairperson pakash chand

Age: 52

Gender: male

Address: chatha

Area of specialization: agriculture

2) Name of the Chairperson:manohar lal

Age: 50

Gender:male

Address: chatha

Area of specialization: fisheries

3) Name of the Chairperson: harbans lal

Age:55

Gender: male

Address: chatha

Area of specialization: forestry

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

## Annexure 4

<b>Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR</b>	
1) Contact Person: agriculture department	
Name and Address: garu ram and chatha	
2) Contact Person: education department	
Name and Address: shamsher singh and chatha	
3) Contact Person:	
Name and Address:	
4) Contact Person:	
Name and Address:	
<b>You may add names of more institutions/NGO/Individuals etc, if necessary</b>	





**Part II**  
**PBR – Formats**  
**AGROBIODIVERSITY**  
**Format 1: Crop Plants**

S.No	Crop	Scientific Name	Local Name	Description of the variety	Landscape / Habitat	Approx. Area sown(ha)	Local status		Special features	Uses	Associated TK	Other details	Cropping Season	Source of Seeds / Plants	Community / Known. Holder
							Past	Present							
1	Rice	<i>Oryza sativa</i>	Dhan/ Munji	B-370(Fine & Long duration)	Planes / Low laying Areas		Normal	Normal	Basmati 370 is world wise known for its aroma	Food & Fodder	Provides energy fragrance and taste	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
				Basmati 1121/(Coarse K39 K434 Rattana & Long duration)			Normal	Normal	Medium tall Coarse Grains						
2	Maize	<i>Zea mays</i>	Maka	Dekalb double	Sub tropical / Upland		Rare	Plenty	Tall, high yielding with yellow in colour)	Food & Fodder	Provides energy	-	Kharif (May to October)	Farmers / Department/ Private Suppliers	Farmers
				K-517			Plenty	Rare	Average tall with yellow in colour						
				Ujala			Normal	Plenty							
				K-612			Plenty	Normal							

				Pro Agro-4794			Plenty	Normal	Tall, high yielding with yellow in colour)						
3	Moong	<i>Vigna radiata</i>	Moong	PDM-54	Hot / Humid of Sub tropical region		Normal	Rare	Medium	Food	Source of Vegetable Protein	Also suitable for green Manuring	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
				SML-668			Normal	Plenty	High yielding Variety						
				IPM-0203			Normal	Rare	Excessive vegetative growth						
4	Mash	<i>Vigna mungo</i>	Mhaa	PU-19	Warm / Humid of Sub tropical region		Normal	Normal	High yielding Variety	Food	Source of Vegetable Protein	-	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
				Utra			Normal	Normal							
5	Turnip	<i>Brassica rapa</i>	Gunglu /Shalgam	PTWG/Local	Cool &moist climate/sub tropical&intermediate		Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable ,Salad,.	-	Good source of Vit.C,Diatry Fiber &Potasium	Rabi	Farmers / Department/ Private Suppliers	Farmers
6	Wheat	<i>Triticum aestivum</i>	Kanak	HD2967,PBW644	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/ Private Suppliers	Farmers

7	Lentil	<i>Lens esculantum</i>	Masar	PL406	Cool & dry		Normal	Normal	High yielding Variety	Food	Source of Protein/ Energy	Improve soil fertility	Rabi	Farmers / Department/ Private Suppliers	Farmers
8	Chick-pea	<i>Cicer arietinum</i>	Chana	GNG-469/C 235	Cool & dry		Normal	Normal	High yielding Variety	Food	Source of Protein/ Energy	Improve soil fertility	Rabi	Farmers / Department/ Private Suppliers	Farmers
9	Peas	<i>Pisum sativum</i>	Matar	Rachna	Cool & dry		Normal	Normal	Early maturing & High yielding	Food	Source of Protein/ Energy	Used as Vegetable	Rabi	Farmers / Department/ Private Suppliers	Farmers
10	Onion	<i>Allium cepa</i>	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/ Private Suppliers	
11	Mustard	<i>Brassica juncea/ Brassica compestris</i>	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/ Private Suppliers	Farmers
12	Gobhi Sarson	<i>Brassica napus</i>	<b>Gobhi Saria</b>	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 ,calciam ,copper,potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
13	Linseed	<i>Linum usitatissimum</i>	Alsi	LC 54	Cool & dry		Normal	Normal	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,industrial & domestic use	Rabi	Farmers / Department/ Private Suppliers	Farmers

14	Potato	<i>Solanum tuberosum</i>	Aalo	Kufri Sindhuri, Kufri Badsha, local	Potato is an herbaceous annual, requires cool weather, mostly 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, chips etc	-	High carbohydrate, provide high n energy value	Rabi	Farmers / Department/ Private Suppliers	Farmers
15	Toria	<i>Brassica jrape cv. Toria</i>	Toria	RSPT-1, RSPT-2, Local var.	Cool & dry with bright sunshine		Normal	Normal	Short duration Annual Herb	oil for preparation of Food	Source of energy, calcium, copper, potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Private Suppliers	Farmers
16	Exocitic Vegetables	<i>Broccoli// Chines Cabbage / Capsicum etc.</i>		Prevalent Hybrid varieties	Cool & moist climate/sub tropical & intermedite		Rare	Abundant	All Plants Carts and Fruits are eadable Ric Source of antioxidants	Salad and Vegetable		Ric Source of Multivitamins, Minierals and Antioxidents	Rabi	Farmers / Department/ Private Suppliers	Farmers
17	Sugarcane	<i>Saccharum officinarum</i>	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	Spring season	Farmers / Department/ Private Suppliers	Farmers
18	Chilli	<i>Capsicum spp</i>	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropical vegetable, grows well warm humid conditions		Abundant	Abundant	Pungency and flavor	Used as spice, medicinal value	-	Contains good ammount of vitamin A&C	winter season	Farmers / Department/ Private Suppliers	Farmers
19	Tomato	<i>Solanum lycopersicum</i>	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, salad, soup, Souce	rich source of Ascorbic acid	<b>Tomatoes</b> are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Private Suppliers	Farmers
20	Okra	<i>Abelmoschus esculentus</i>	Bindi	Varsha uphar, Arka Anamika	Tropica/sub tropical vegetable Hot and humid climate		Abundant	Abundant	Tender green fruit used as vegetable	Mainly vegetable	Source of Fiber	Contains dietary fibers, protein and carbohydrates	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers

21	Cucumber	<i>Cucumis sativus</i>	Kheera	Kheera local, JL	Grows in all climatoic conditions, Tropical, Sub tropical & temprate
22	Bottle gourd	<i>Lagenaria siceraria</i>	Lokki	PSPL/Punjab Long	Summer & rainy season crop
23	Bitter gourd	<i>Momordica charantia</i>	karela	Pusa Domausmi/Kundan	Warm and Humid climate
24	Beans	<i>Phaseolus Spp.</i>	Phaliya	Contender	Cool weather crop/Sandy/loamy soil
25	Cauliflower	<i>Brassica oleraceae var. botrytis</i>	Fol gobi	Pusa snow ball, Pusa Katki, local Girja	Both sub tropical & intermediate
26	Cabbage	<i>Brassica oleraceae var. capitata</i>	Band gobi	Golden Acre, Pride of India, Green Flesh	Both sub tropical & intermediate
27	Knol khol	<i>Brassica oleraceae var. gongyloides</i>	Kadam	White vienna, Purple vienna	cool & moist climate/sub tropical

Abundant	Abundant	Limbing annual bearing elongated thick cylendrical fruit	Mainly used as salad	-	It also used as antipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Vines vigorous, profusly branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maintaining low suger level	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High vale protein, Vitamine B1, B2 < B6 and Maganese	Summer season	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	White and tender head, curd formed from shortened flower part	Curd Mainly used as vegetable	-	Also good source of protein, carbohydrate, phasphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Round head with light to dark green colour	Head Mainly used as vegetable, salad	-	Also good source of protein, carbohydrate, phasphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers
Abundant	Abundant	Swollen stem, green/purple with long and broad leaves	Swollen stem and leaves are consumed as vegetable	-	-	Rabi	Farmers / Department/ Private Suppliers	Farmers



**Format 2: Fruit Plants**

1	2	3	4	5	6		7	8	9	10	11
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use
					Past	Present					
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malta	Plains	Plenty	Plenty	Nurseries	Jun-Aug		Fruit, Pickle, Preserves	Marketing, Own Use
Citrus Fruit	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year		Fruit, Pickle, Squashes etc	Marketing, Own Use
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Plains	Plenty	Plenty	Nurseries	Jul - Aug		Fruit	Marketing
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug		Fruit	Marketing, Own Use
Grapes	<i>Vitis vinifera</i>	Anjoor	Local Dakh, Perlette	Plains, Mid Hills	Rare	Plenty	Nurseries	Jul - Aug		Fruit	
Aonla	<i>Phyllanthus emblica</i>	Ambla	Local Selection, NA-7	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec		Pickling Preserve etc	Marketing, Own Use
Ber	<i>Ziziphus mauritiana lamk</i>	Ber	Gola, Varanasi	Plains	Plenty	Plenty	Local	Jul - Aug		Fruit	Own Use



Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug		Fruit	Own Use
Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug		Fruit, Anardana	Own Use
Pear	<i>Pyrus spp.</i>	Nakh	Pathar Nakh, China Pear	Plains, mid hills	Rare	Rare	Nurseries	Aug - Sep		Fruit	Own Use
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul		Fruit	Marketing, Own Use
Strawberry	<i>Fragaria × ananassa</i>	Strawberry	Chandler	Plains, mid hills	Rare	average	Nurseries	Mar - Apr		Fruit	Marketing
Karonda	<i>Carissa carandas</i>	Garnay	Local	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug		Fruit	Marketing, Own Use
Papaya	<i>Carica papaya</i>	Papita	Local	Plains	Rare	Plenty	Nurseries, Locally Raised	Aug - Oct		Fruit	Own Use





### Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details
				Past	Present				
Barseem	<i>Trifolium alexandrium</i>	Chhatala	Annual	Abundant	Abundant	Farmers / Department/ Private Suppliers	Nutritious & palatable fodder, Source of energy for animals	Entire Plant	Fodder
Oats	<i>Avena spp.</i>	Javi	Annual	Abundant	Abundant		Nutritious & palatable fodder,	Above ground part of plant	Fodder
Sorghum	<i>Sorghum spp.</i>	cherri	Annual	Abundant	Abundant	Farmers / Department/ Private Suppliers	Source of energy	Above ground part of plant	Fodder
Maize	<i>Zea mays</i>	Makki	Annual	Abundant	Abundant		Source of energy	Above ground part of plant	Food & fodder
Bajra	<i>Pennisetium americanum</i>	Bajra	Annual	Abundant	Normal	Farmers / Department/ Private Suppliers	Source of energy	Above ground part of plant	Food & fodder
Cowpea	<i>Vigna unguiculata</i>	Pongi	Annual	Abundant	Normal		Kharif Legume with high protein	Above ground part of plant	Fodder



**Format 4: Weeds**

1	2	3	4	5	6	7		8	9	10	11	12
Plant	Scientific Name	Local Name	Affected crop	Impact	Landscape / Habitat	Local Status		Uses if any	Management options	Associated TK	Other details like exotic	Community / Knowledge holder
						Past	Present					
Pig Weed	<i>Amaranthus viridis</i>	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
Lamb's quarters	<i>Chenopodium album</i>	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 , Phosphorous & potash	Annual feed & fermentation of Beverages	Farmers
Nut Grass	<i>Cyprus rotundus</i>	Dilla/Motha	Paddy,maize,sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Tradionally used as medicine	Farmers
Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
Carrot grass	<i>Parthenum hysterophorus</i>	Congress Grass	Gardens & sugarcane ratoon crops & other crops	Annual	Agri. Land	Abundant	Abundant	Nil	Physical, Mechanical, Chemical	Abnoxious weed difficult to manage		Farmers
Bur Clover	<i>Medicago denticulata</i>	Maina	Wheat Grass Peas	Perennial herbaceous legume	Agri. Land	Normal	Normal	Fodder,vegetable & green manure	Mechanical, Chemical	Nil	Improves Soil fertility	Farmers
Canary Grass	<i>Phalaris minor</i>	Sitti/gilli danda	Wheat Grass Peas, mustard	annual	Agri. Land	Abundant	Abundant	Fodder & forage	Mechanical, Chemical	Source for High quality protein	Agri. Land	Farmers
Meadow Pea	<i>Lathyrus Aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
Canada Thistle	<i>Cirsuim arvense</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers

Bang	<i>Cannabis indica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
Nilibuti	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fooder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
Wild oats	<i>Avne fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
Jhonson Grass	<i>Sorghum helepense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Rare	Fodder	Above ground parts	-	Nutrative Fodder for Animals	Farmers
wild onion	<i>Allium humaie</i>	Jangli payas	Onion	Annual herb	Temprate/sub tropical	Rare	Rare	Food and medicine	All parts used	-	-	Farmers

### Format-5 Pest of Crops

Serial No.	PBR ID	Host	Animal	Scientific name	Local Name	Landscape/ Habitat	Time Attack	Management	Associated TK	Other Details	Community
		Mango	Insects	<i>Amritous Atkinsoni</i>	Tella	Field/orchard	Feb-April	Pesticide Prunning	Discourage HDP		Farmers
		Mango	Insects	<i>Drosicha Magiferae</i>	Mealey Bug	Orchard	Feb Onwards	Pesticide, Basin Making	Hand Picking		general public/ Farmers
		Citus	Insects	<i>Paapilio Ledmoteus</i>	Caterpillar	Orchard/Field	April- May & Aug.- Oct.	Pesticides, Other Cultural Methods	Smoking Bagging Dispose Off		Farmers
		Citus	Insects	<i>Euodocina Fullonia</i>	Sucking Moth	Orchard/Field	Maturity Stage	Pesticides Orchard Sanitization			Farmers
		Litchi	Insects	<i>Gatesclarkeana Erotias</i>	Fruit Nut birer	Orchard/Field	At pea stage	Pesticides, Basin Making Ploughing			Farmers
		Guava	Insects	<i>Bactrocera Dorsalis</i>	Fruit Fly	Orchard/Field	Maturity Stage	Pesticides, Fruit Fly trape			Farmers
		Amla	Insects	<i>Phyllanthus Emblica</i>	Gall Maker	Orchard/Field	Feb Onwards	Pesticides Prunning	Destroy infected Shoots		general public/ Farmers
		paddy	mammal	<i>Ratus meltada</i>	Chouha	Attacks all crops	Throughout the year	Mechanical& Chemical measures	-	Lives in burrows opening hidden in bushes	Farmers



paddy	mammal	<i>Rhesus macaque</i>	Bander	Forest & human habitat	Throughout the year	Traps & chemosterlization	-	Cause extensive damage to almost all crops,attacks humans	Farmers
paddy	insect	<i>Hygro blasses Negro / Hieroglyphus nigropletus</i>	Tidi	Maize, Paddy, Jojr Bajra	July to sept	Mechanical& Chemical measures	-	Eats leaves	Farmers
maize	insect	<i>Spodoptera Frugiperda</i>	tokka	Defoliaties Major crops	Through the year	Mechanical& Chemical measures	-	Defoliates all crops	Farmers
paddy	insect	<i>Cnaphalocrocis meddialis</i>	Ctter Pillers	Attacks on Paddy Leaves	June to Oct.	Mechanical& Chemical measures	-	Major threats	Farmers
maize	insect	<i>Chilo partellus</i>	Sundi /Tana-shedak	Attacks Maize, sorghum , Bajra & sugarcane	July to sept	Mechanical& Chemical measures	-	Causes dead hearts in young plants	Farmers
crops	insect	Termites	<i>Odontotermis</i>	Polyphagous/ sandy and loamy soils	Kharif	Field sanitisation and continuous removal and destruction of infected plants	NA	NA	general public/ Farmers
maize	insect	<i>Agrotis ipsilon</i>	Ludi	Wheat sorguham maize and other	Throughout the year	Mechanical& Chemical measures	-	Major threats	Farmers
vegetables	insect	<i>Bactrocera cucurbitae</i>	Melon fly	Attacks Pumpkin, cucumber & gourds	Throughout the year	Mechanical & Chemical, Pheronon trap	-	Danger to all cucumber crops	Farmers
maize	insect	<i>Oulma melanopus</i>		Attacks Maize	Aug-Sep	Chemical measures	-	Most recent occurrence	Farmers
wheat	insect	<i>Microtermis obesi/ Odontoremes obesus</i>	Telle	Wheat & other crops	Nov-May	Cultural & Chemical measures	-	Major threat to unirrigated crops	Farmers
mustard	insect	<i>Lipaphis erysimi</i>	Aphid	Attacks mustard & other cucurbit crops	Dec-March	Timely sowing of crop & Chemical, Biological & Mechanical	-	Major threat to oil seed crops of Rabi	Farmers





### Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major Occupation	Sub-Occupation	Depending Landscape	Major resouces accessed and seasons of access	Landscape management practices	Resource management practices	Cast/ Tribe	Social condition	Nature of inhabitants	No. of HHs
SC/ST/General SC= 40% gen= 50% OBC = 10%	Agriculture	labourers	plane & hilly	Paddy (June to July)	check dam	check dam	General?SC?ST	Average	Farmers/ Labourers	---
				Wheat (Oct , Nov)	concreate drainage channel	concreate drainage channel				
				Mustard (Sep, Oct)	water harvesting structure	water harvesting structure				



12
Community accessed

### Format 09: 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			State land and Private land	Tali, Kamal, Brankad, Bori Peepal and Khu jari etc	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Streams			State land and Private land	Bana, Aak, Khar grass, Panjphuli jari etc	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Tube well			State land and Private land			Cattles, washing cloths, irrigation, Drinking etc	public					
Dug wells			Private			Cattles, washing cloths, irrigation, Drinking etc	public					
Bowlis			Private	Bana, Aak, Khar grass, Panjphuli jari etc	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Hand pumps			Private	Panjphuli jari, Bana, Aak, Khar grass etc	Frogs , fishes, Torotoise, snakes, snail,	Cattles, washing cloths,Drinking etc	public					





### Format 11: Fruit Trees

Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Local Status		Source of plant/seeds	Season of Fruiting	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Mango	<i>Mangifera indica</i>	Aam	Desi, Dusheri, Malta	Plains	Plenty	Plenty	Nurseries	Jun-Aug	Fruit, Pickle, Preserves		Marketing, Own Use	
Citrus Fruit	<i>Citrus spp.</i>	Khatti, Galgal, Nimbu, Santra, Kinnoo etc.	Local Selection, Kagzi Lime etc.	Plains, mid hills	Plenty	Plenty	Nurseries	Through Out Year	Fruit, Pickle, Squashes etc		Marketing, Own Use	
Litchi	<i>Litchi chinensis</i>	Litchi	Culcatta, Dehradun	Plains	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing	
Guava	<i>Psidium guajava</i>	Amrood	Local, L49 etc.	Plains, Lower Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit		Marketing, Own Use	
Grapes	<i>Vitis vinifera</i>	Anjoor	Local Dakh, Perlette	Plains, Mid Hills	Plenty	Plenty	Nurseries	Jul - Aug	Fruit			
Aonla	<i>Phyllanthus emblica</i>	Ambla	Local Selection, NA- 7	Plains	Plenty	Plenty	Nurseries, Local Collections	Nov.- Dec	Pickling Preserve etc		Marketing, Own Use	
Ber	<i>Ziziphus mauritiana lamk</i>	Ber	Gola, Varanasi	Plains	Plenty	Plenty	Local	Jul - Aug	Fruit		Own Use	
Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	
Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Pear	<i>Pyrus spp.</i>	Nakh	Pathar Nakh, China Pear	Plains, mid hills	Rare	Rare	Nurseries	Aug - Sep	Fruit		Own Use	
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Plains, mid hills	Plenty	Plenty	Nurseries	Jun - Jul	Fruit		Marketing, Own Use	
Strawberry	<i>Fragaria × ananassa</i>	Strawberry	Chandler	Plains, mid hills	rare	average	Nurseries	Mar - Apr	Fruit		Marketing	
Karonda	<i>Carissa carandas</i>	Garnay	Local	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit		Marketing, Own Use	
Papaya	<i>Carica papaya</i>	Patita	Local	Plains	Plenty	Plenty	Nurseries, Localy Raised	Aug - Oct	Fruit		Own Use	

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

Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/ Know. Holders
						Past	Present					
Herbs	Jungli putna	<i>Mentha arvensis</i>		Lower shiwalik/Temperate area	Stem/Seed	Abundant	Abundant	medicinal	Leaves	N.A	own use	Generally, held by community
Shrubs	Brankad	<i>Adhatoda vasica</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Roots & Flower	N.A	own use	Generally, held by community
Shrubs	Drainkad	<i>Murraya koenigii</i>		Sub-Tropical area	Seed	Rare	Rare	medicinal & spice	Fruit	N.A	own use	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves	N.A	own use	Generally, held by community
Herbs	Bhang	<i>Canabis sativa</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves	N.A	own use / market	Generally, held by community
Tree	Bair	<i>Ziziphus marutiana</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Stem	N.A	own use	Generally, held by community
Tree	Bahera	<i>Terminalia bellerica</i>		Lower shiwalik	Seed	Rare	Abundant	medicinal	Fruit	N.A	own use	Generally, held by community
Tree	Draink	<i>Melia azadirach</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves	N.A	own use	Generally, held by community

Tree	Jamun	<i>Syzygium cumini</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves/Fruit	N.A	own use / market	Generally, held by community
Tree	Karal	<i>Bauhinia variegata</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves/Flower	N.A	own use / market	Generally, held by community
Tree	Khair	<i>Acacia catechu</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal	Leaves/Stem	N.A	own use	Generally, held by community
Tree	Kringal	<i>Casia fistula</i>		Lower shiwalik	Seed	Rare	Rare	Flowers as vegetable	Fruit	N.A	own use / market	Generally, held by community
Tree	Mango	<i>Mangifera indica</i>		Lower shiwalik	Seed	Abundant	Abundant	Fruits	Stem/Fruit	N.A	own use	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves	N.A	own use	Generally, held by community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal use	leaves and stem		own use	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shiwalik	Seed	Rare	Abundant	medicinal use	fruit	treat liver problems , cough and cold etc	own use	Generally, held by community
Tree	Amla	<i>Emblica officinalis</i>		Lower shiwalik	Seed	Rare	Rare	medicinal	Leaves/Bark	N.A	own use / market	Generally, held by community
Tree	Bill-Patre	<i>Aegle mermelos</i>		Sub-Tropical area	Seed	Abundant	Abundant	medicinal use	leaves		own use / market	Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower shiwalik	Seed	Rare	Rare	medicinal use	leaves and fruit		own use / market	Generally, held by community
Tree	Harad	<i>Terminalia chebula</i>		Lower shiwalik	Seed	Abundant	Abundant	medicinal use	fruit leaves, bark	inc appetite , liver problems etc	own use / market	Generally, held by community

Climber	Giloe	<i>Tinospora cordifolia</i>		Farmlands & Urban areas	seed	Moderate	average	medicinal use	leaves stem		eye disorder, jaundice	Generally, held by community
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**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	<i>Casia fistula</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Shrub	Gandela	<i>Nerium oleander</i>		Cuttings	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Satpati	<i>Alstonia scholaris</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Bottle brush	<i>Callistemom citrinus</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Booganbel	<i>Bougainvillea glabra</i>		Cuttings	Non-Commercial	N.A	N.A	N.A	Generally, held by community

### Format 14: Timber Plants / Trees

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local status		Wild/ home-garden	Other uses (multi)	Associated TK	Other details	Community/ Know. holder
				Past	Present					
Trees	Kiker	<i>Acacia Nilotica</i>	Lower shiwalik	Rare	Rare	Wild	commercial	nil	, furniture and firewood	Generally, held by community
Trees	Mangoo	<i>Mangifera Indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home-garden	commercial	nil	fruit ,furniture and firewood	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	furniture and firewood	Generally, held by community
Trees	Sree	<i>Albizzia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	furniture and firewood	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	commercial	nil	furniture and firewood	Generally, held by community
Trees	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	commercial	nil	furniture and firewood	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	Nil	Generally, held by community
Trees	chir	<i>Pinus roxburhii</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	furniture and firewood	Generally, held by community
Trees	Jammun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	furniture, fruit and firewood	Generally, held by community

### Format 15: Domesticated Animals

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Breed (local/hybrid)	Features	Method of keeping	Local status		Uses	Associated TK	Commercial rearing	Other details including products and services	Community Know. Holders
						Past	Present					
Sheep	Bhaed	<i>Ovis aries</i>	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	<i>Ovis aries</i>	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	<i>Copra</i>	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
Cattle	Gau	<i>Bos indicus</i>	ND	Low yield	stall feeding	Abundant	Decrease	Dairy	Nil	No	Milk	All
	Jersy Gau	<i>Bos taurus</i>	CB Jersy	Dished face	stall feeding / semi intensive	Very few	Increase	Dairy	Nil	yes	Milk	All
	Amrecan Gau	<i>Bos taurus</i>	CB HF	Black and white spot	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Buffalo	Manj	<i>Bubalus bubalis</i>	Local	Low yield	stall feeding	Abundant	Decreased	Dairy	Nil	No	Milk	All
	Punjabi Mais	<i>Bubalus bubalis</i>	Murrah /Graded	Black color body	stall feeding / semi intensive	Very few	Increased	Dairy	Nil	Yes	Milk	All
Horse	ghoda	<i>Equus caballus</i>	Local	Red color body	Backyard	Abundant	Decrease	Pack/ Cart	Nil	No	Pack/ Cart	All

birds	Chakore	<i>Alectoris chukar</i>	Local	black and white stripes ,beak is short, strong, and orange in color	Backyard	few	Decrease	Egg,meat	Nil	Yes	Egg, Meat	All
	Parrot	<i>Psittaciformes</i>	Local	parrot green in colour with red beak	Backyard	few	Decrease	decorative	Nil	No	Nil	All
	Pigeon	<i>Columbidae</i>	Local	white color , fast growing	Backyard	few	Decrease	decorative	Nil	No	nil	All
Dog	Kutta	<i>canis familiaris</i>	Local	Nil	Pet ,Stray	Abundant	Abundant	Nil	Nil	No	Nil	All / stray
Cat	Billi	<i>felis catus</i>	Local	Grey /white color	Pet ,Stray	Abundant	Abundant	pet	Nil	No	Nil	All / stray
Rabbit	Khargosh	<i>Oryctolagus cuniculus</i>	White gaint	white	Pet ,wild	few	few	Pet	Nil	No	Nil	All / wild
Elephant	Haathi	<i>Loxodonta</i>	Asian elephant	Grey in colour	Pet ,wild	few	few	religious faith	Nil	No	Nil	All



### Format 16: Culture Fisheries

Fish Type	Local name	Scientific Name	Variety	Features	Waterscape (Pond/bheri/talao)	Local status		Uses	Associated TK	Commercial rearing	Other details	Community Know. Holders
						Past	Present					
There is no culture Fisheries taken up in this panchayat												
	common carp	<i>Cyprinus carpio</i>	local	strongly serrated spines, thick lips, colour varies	ponds, stream, river	abundant	abundant	vitamin A,D,E		Commercial		local people
	Mrigal	<i>Cirrhinus cirrhosus</i>	local	dark grey or black in colour, upper lip is curved	ponds, stream, river	abundant	abundant	high protein value		Commercial		local people
	rohu	<i>Labeo rohita</i>	local	silver colour fish, arched headed,	ponds, stream, river	abundant	abundant	rich in omega 3 fatty acids		Commercial		local people



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

1	2	3	4	5	6		7	8	9	10	11
Plant Type	Local Name	Scientific Name	Habit	Habitat	Local status		Commercial / own use	Part collected	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Tali	<i>Dalbergia sisoo</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	Generally held by community
Tree	Khair	<i>Acacia catechu</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	Generally held by community
Tree	Amla	<i>Emblica officinalis</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	Generally held by community
Tree	Siris	<i>Albizzia lebbek</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial own use	Timber/ Firewood	-	-	Generally held by community
Tree	Simbal	<i>Bombax cebia</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	bark , flower, leaves	-	medicinal use	Generally held by community
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial /own use	leaves roots and hair of plants	-	-	Generally held by community
Tree	Krangal	<i>Cassia fistula</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	Generally held by community
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial /own use	Fruit	-	-	Generally held by community

Tree	Plaaah	<i>Butea monosperma</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood, leaves	-	medicinal use	Generally held by community
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	medicinal use	Generally held by community
Tree	Santha	<i>Dodonaea viscosa</i>	Shrubs	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	broom making	Generally held by community
Tree	Amb	<i>Mangifera indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Fruit	-	-	Generally held by community
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Tree	Safeda	<i>Eucalyptus</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Tree	Neem	<i>Azadirachta indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	leaves and stem bark	-	medicinal use	Generally held by community
Climber	Amar bel	<i>Cuscuta reflexa</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Grass	Doob grass	<i>Cynodon dactylon</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	rhizome	-	-	Generally held by community
Shurb	Dhatura	<i>Datura stramonium</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	leaves and stem	-	medicinal use	Generally held by community

Shurb	Arnid	<i>Ricinus communis</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Climber	Giloe	<i>Tinospora cordifolia</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial/own use	leaves and stem	-	medicinal use	Generally held by community
Shurb	Bana	<i>Vitex negundo</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Tree	Bel	<i>Aegle marmelos</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Shurb	Daduni	<i>Punica granatum</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	fruit	-	medicinal use	Generally held by community
Tree	Rumbal	<i>Ficus glomerata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ fruit Firewood	-	medicinal use	Generally held by community
Tree	Fagora	<i>Ficus palmata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	medicinal use	Generally held by community
Shurb	Panjphulli	<i>Lantana camara</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	Generally held by community
Grass	Nad	<i>Arundo donax</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	leaves and stem	-	-	Generally held by community
Grass	Khar	<i>Saccharum munjo</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ leaves Firewood	-	-	Generally held by community
Shurb	Drenkeri	<i>Murraya koengii</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial/own use	Timber/ leaves Firewood	-	-	Generally held by community



**Format 19: Wild Plant Species of Importance**

<b>SI.No</b>	<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Importance (as economic, social, cultural etc.)</b>	<b>Status</b>
1	Lal Gandila	<i>Nerium indicum</i>	Shrub	Aesthetic	Good
2	Daduni	<i>Punica grantum</i>	Shrub	Live Hedge fencing	Good
3	Brenkar	<i>Adhatoda vasica</i>	Shrub	Medicinal	Good
4	Aak	<i>Calotropis gigantea</i>	Shrub	Medicinal	Good
5	Arnid	<i>Ricinus cuminus</i>	Shrub	Medicinal	Good
6	Bana	<i>Vitex negundo</i>	Shrub	Medicinal	Good
7	Bhang	<i>Cannabis sativa</i>	Shrub	Medicinal	Good
8	Thor	<i>Euphorbia royleana</i>	Shrub	Live Hedge fencing	Good
9	Jojra	<i>Pupalia lappacea</i>	Shrub	Medicinal	Good

**Format 20: Aquatic Biodiversity**

1	2	3	4	5	6		7	8	9	10
<b>Local Name</b>	<b>Scientific Name</b>	<b>Variety</b>	<b>Features</b>	<b>Habitat</b>	<b>Local status</b>		<b>Uses</b>	<b>Associated TK</b>	<b>Other details</b>	<b>Community/ Knowledge Holders</b>
					<b>Past</b>	<b>Present</b>				
There is no natural waterbody in this panchayat										



**Format 21: Wild Aquatic Plant Species of Importance**

1	2	3	4	5
S. No.	Local Name	Scientific Name	Variety	Importance
No Aquatic weed found in this panchayat				
1	Lunak	<i>Portulaca oleracea</i>	local	antioxidant value and various medicinal uses
2	Rumbal	<i>Ficus racemosa</i>	local	fruit
3	Nad	<i>Arundo donax</i>	local	NA

<b>6</b>
<b>Trends</b>
abundant
Abundant
Good

### Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5	6		7	8	9	10
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details market/ own use
					Past	Present				
Tree	Amla	<i>Embllica officinalis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	own and market use
Tree	Krangal	<i>Cassia fistula</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Pod	own and market use
Tree	Jamun	<i>Syzygium cumini</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	own and market use
Tree	Ber	<i>Ziziphus jujuba</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	own use
Tree	Kikar	<i>Acacia nilotica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Bark & Pods	own use
Tree	Dhrenk	<i>Melia azadirach</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Seeds & Leaves	own and market use
Tree	Neem	<i>Azadirachta indica</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	own and market use
Grass	Doob grass	<i>Cynadon dactylon</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	own use
Shurb	Dhatura	<i>Datura stramonium</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Fruit	own use
Shurb	Arnid	<i>Ricinus communis</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Oil	own use
Climber	Giloe	<i>Tinospora cordifolia</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Stem	own use
Shurb	Bana	<i>Vitex negundo</i>		Alluvial plain/Farm lands	Good	Good	-	Medicinal	Leaves	own use



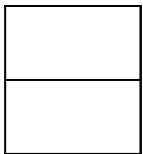
**Format 23: Wild relatives of Crops**

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
				Past	Present					
NIL										

**Format 24: Ornamental Plants**

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/Non-Commercial Uses	Associated TK	Any other Detail	Community/Knowledge Holder
Lal Gandila	<i>Nerium oleander</i>	Shrub	Farm land	Nil	Nil	Nil	Nil
Kaneer	<i>Thevetia peruviana</i>	Tree	Farm land	Nil	Nil	Nil	Nil
Bougainvillea	<i>Bougainvillea glabra</i>	Shrub	Farm land	Nil	Nil	Nil	Nil
Gulmohar	<i>Delonix regia</i>	Tree	Farm land	Nil	Nil	Nil	Nil
Krangal	<i>Cassia fistula</i>	Tree	Farm land	Nil	Nil	Nil	Nil
Karal	<i>Bahunia purpurea</i>	Tree	Farm land	Nil	Nil	Nil	Nil







### 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 Holder
			Past	Present				
Shisham	<i>Dalbergia sisoo</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Ber	<i>Ziziphus jujuba</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Safeda	<i>Eucalyptus tereticornis</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Aam	<i>Mangifera indica</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Kikar	<i>Acacia nilotica</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Dherenk	<i>Melia azedarach</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Tut	<i>Morus alba</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Jamun	<i>Syzygium cumini</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Dhaman	<i>Grewia optiva</i>	Farmlands	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	Forestry,local people
Simbal	<i>Bombax ceiba</i>	Farmlands	Good	Good	Commercial/ own use	Timber/ Firewood	-	Generally, held by community





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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local Status		Uses (if any)	Associated TK	Mode of Hunting, collecting (if any)	Other details	Community/ Knowledge Holder
						Past	Present					
Wild Animal	Squirrels	<i>Sciuridae</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Pig	<i>Suidae</i>	Farmland		-	Good	average	-	-	-	-	
Wild Animal	Jackal	<i>Canis aureus</i>	Farmland	-		Good	Good	-	-	-	-	
Wild Animal	Rose ringed parakeet	<i>Psittaculidae</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Mongoose	<i>Herpestes spp.</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Sparrow	<i>Passer domesticus</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Crow	<i>Corvus splendens</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Pigeon	<i>Columba livia</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Bee	<i>Apis cerana indica</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Butterfly	<i>Rhopalocera spp.</i>	Farmland	-	-	Good	Good	-	-	-	-	
Wild Animal	Frog	<i>Anura spp.</i>	Farmland	-	-	Good	Good	-	-	-	-	

Format 29: Flora				URBAN BIODIVERSITY		
1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
1	Kikar	<i>Acacia nilotica</i>	Broad leaved	Sub-tropical	Summer	Common
2	Mango	<i>Mangifera indica</i>	Broad leaved	Sub-tropical	Summer	Common
3	Safeda	<i>Eucalyptus spp.</i>	Broad leaved	Sub-tropical	Summer	Common
4	Sree	<i>Albizzia lebbeck</i>	Broad leaved	Sub-tropical	Summer	Common
5	Talli	<i>Dalbergia sissoo</i>	Broad leaved	Sub-tropical	Summer	Common
8	Jammun	<i>Syzygium cumini</i>	Broad leaved	Sub-tropical	Summer	Common

**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	<i>Bos taurus</i>	Mammals	Terrestrial	Common
2	Buffalow	<i>Babalus bubalis</i>	Mammals	Terrestrial	Common
3	Sheep	<i>Ovis aries</i>	Mammals	Terrestrial	Common
4	Goat	<i>Capra aegagrus</i>	Mammals	Terrestrial	Common
5	Sparow	<i>Passer domesticus</i>	Birds	Terrestrial	Common
6	Crow	<i>Corvus splendens</i>	Birds	Terrestrial	Common
7	Pigon	<i>Columba livia</i>	Birds	Terrestrial	Common
8	Peacock	<i>Pavo cristatus</i>	Birds	Terrestrial	Common
9	Ant	<i>Tapioma sessile</i>	insects	Terrestrial	Common
10	Bee	<i>Apis cerana indica</i>	insects	Terrestrial	Common
11	Butterfly	<i>Rhopalocera spp.</i>	insects	Terrestrial	Common
12	Mosquito	<i>Culicade</i>	insects	Terrestrial	Common
13	Cater pillar	<i>Danaus plexippus</i>	Aquatic Animals	Terrestrial	Common
14	Frog	<i>Anura spp.</i>	Aquatic Animals	Aquatic	Common

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**Format 31: Any other information of local importance**

1	2	3
Sr. No.	Information of local importance	Remarks
Nil		