

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Mattoo

Taluk/Tehsil: Khour

District: Jammu

State/UT: Jammu And Kashmir

Geographical Area of the panchayat Samiti: 4 Km

Population Of the Panchayat samiti... Total 3800

Male= 2100

Female = Rest

Habitat and Topography:

Climate (Rainfall, Temperature and other weather patterns):

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

Date, Month and Year of PBR preparation: 13/Jan/2022

Annexure 1 :**Details of Biodiversity Management Committee (BMC) of the Panchayat (One elected Chairperson and six persons nominated by the local body ; not less than one third to be women and not less than 18% belonging to SC/ST)**

S.No.	Category	Name	Age	gender	Adress	Area of Specialization
1	Chairperson	Swarn Singh	63	M	vill.Danpur	Sarpanch, Ex-Servicemen
2	Member	Rekha Devi	32	F	vill.Danpur	Housewife
3	Member	Kanchan devi	28	F	vill.Mattoo	Housewife
4	Member	Sat pal	44	M	vill.Mattoo	Ex-Servicemen
5	Member	Sunil Singh	28	M	vill.Mattoo	Farmer
6	Member	Swarn Singh	65	M	vill Datyal	Farmer
7	Member	Om Parkash	64	M	vill.Mattoo	Ex-Servicemen

Annexure 2**List of Vaid/Hakims and Traditional health care(human and livestock) practitioners residing and or using biological resources occurring with in the jurisdiction of the village**

S.no	Block	Panchayat	Name	Age	Gender	Address	Area of Specialization	Location from which the person accesses biological material	Perception of the practitioner on the resource status	Medicinal use
1	Khour	Mattoo	nil	-	-	-	-	-	-	-

Annexure 3

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

S.no	Block	Panchayat	Name	Age	Gender	Address	Area of Specialization		
							Agriculture	Fisheries	Forestry
1	Khour	Mattoo	Satpal Chowdhary	65yrs	Male	R/o Mattoo	Agriculture	-	-
2	Khour		Karan Singh	35 yrs		R/o Mattoo	Agriculture		

Annexure 4

Details of schools, colleges, departments, universities, government institutions, non-governmental organization and individuals involved in the preparation of the PBR

1) **Contact Person:** NIL

Name and Address: nil

2) **Contact Person:** NIL

Name and Address: nil

3) **Contact Person:** NIL

Name and Address: nil

4) **Contact Person:** NIL

Name and Address: nil

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

Detail of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefit derived and the mode of their sharing

1	2	3	4	5	6
pyt.	Name and address of the Person/Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared
Khour	nil	nil	nil	nil	nil

End of Part I

Format 1 Crop Plants

1	2	3	4	5	6	7		8	9	10	11	12	13	14
S.No	Crop	Scientific Name	Local Name	Description of the variety	Landscape / Habitat	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 , Sharbati 1121/(Coarse K39 K434 Rattana & Long duration)		Normal	Normal	Medium tall Coarse Grains						
	Rice			19-PC	Plain Area	Normal		Easy to cultivate & Ripe Early				March-October	Agricultural Department	Farmers
2	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							
3	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

4	Chick-pea	<i>Cicer arietinum</i>	Chana	GNG-469/C 235	Cool & dry	Normal	Rare	High yielding Variety	Food	Source of Protein/Energy	Improve soil fertility	Rabi	Farmers / Department/ Private Suppliers	Farmers
5	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
6	Onion	<i>Allium cepa</i>	Gamd	nasik Red. Red Coral, Monsanto And Local Spp.	local Planee areas	Abundant	Abundant	Bulbs Cash Crop	Vegetables	Vegetable	Staple Vegetable food	Rabi	Farmers / Department/ Private Suppliers	
7	Mustard	<i>Brassica juncea/ Brassica campestris</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 i	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
8	Gobhi Sarson	<i>Brassica napus</i>	Gobhi Saria	GSL-1,DGS-1 ,Local	Cool & dry	Normal	Abundant	Annual Herb,yellow flowers bearing Pods	oil for Food,leaves used as vegetable	Source of energy i,calciam,copper,potassium	vegetable Oil extracted from seeds used in cooking	Rabi	Farmers / Department/ Private Suppliers	Farmers
9	Linseed	<i>Linum usitatissimum</i>	Alsi	LC 54	Cool & dry	Normal	Rare	Medium duration	Food & fiber	Source of energy in the shape of Oil	Medicinal,industrial & domestic use	Rabi	Farmers / Department/ Private Suppliers	Farmers
10	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

11	Toria	<i>Brassica j. rape 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 i,calciam,co pper,potassium	vegetable Oil extracted from seeds used in cooking	Between Kharif & Rabi season	Farmers / Department/ Privaate Suppliers	Farmers
12	Sesame	<i>Sesamum indicum</i>	Til	Punjab Til No.1/local	Warm / Humid of Sub tropical region	Normal	Normal	Medium Yielding	Food	Source of Vegetable oil	Religiuos and medicinal value	June - Oct.	Farmers / Department/ Privaate Suppliers	Farmers
13	Sugarcane	<i>Saccharum officinarum</i>	Ganna	COJ-64,COJ-81	Sub Tropical	Rare	Normal as per required	Long duration crop for Nine months	Food	Source of energy in the shape of Gur/Sugar	Sugar cane Juice used as prefered drink for instant source of energy during summer besides beating heat	Spring season	Farmers / Department/ Privaate Suppliers	Farmers
14	Chilli	<i>Capsicum spp</i>	Mirchi	Pusa Jawala, CH-1	Tropica/sub tropicall vegetable,gr ows 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/ Privaate Suppliers	Farmers
15	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 ,s alad, soup,Souce	rich source of Ascorbic acid	Tomatoes are also packed with vitamins A and C, calcium, potassium.	Rabi	Farmers / Department/ Privaate Suppliers	Farmers

16	Okra	<i>Abelmoschus esculentus</i>	Bindi	Varsha uphar, Arka Anamika	Tropical/sub tropical vegetable 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
17	Cucumber	<i>Cucumis sativus</i>	Kheera	Kheera local, JL	Grows in all climatic conditions, Tropical, Sub tropical & temperate	Abundant	Abundant	Limbing annual bearing elongated thick cylindrical fruit	Mainly used as salad	-	It also used as antipyretic and causing cooling effect	Summer/ Kharif	Farmers / Department/ Private Suppliers	Farmers
18	Bottle gourd	<i>Lagenaria siceraria</i>	Lokki	PSPL/Punjab Long	Summer & rainy season crop	Abundant	Abundant	Vines vigorous, profusely branched	Subzis, curries and gravies.	-	It also contains essential vitamins and minerals	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers
19	Bitter gourd	<i>Momordica charantia</i>	karela	Pusa Domausmi/Kundan	Warm and Humid climate	Abundant	Abundant	Herbaceous climbing annual with ridged stems	Vegetable and medicinal value	-	Used for maintaining low sugar level	Summer/ kharif	Farmers / Department/ Private Suppliers	Farmers
20	Beans	<i>Phaseolus Spp.</i>	Phaliya	Contender	Cool weather crop/Sandy/loamy soil	Abundant	Abundant	Tender green pods are used as vegetable	Mainly vegetable	Source of energy in the shape of Gur/Sugar	High value protein, Vitamin B1, B2, B6 and Magnesium	Summer season	Farmers / Department/ Private Suppliers	Farmers
21	Cauliflower	<i>Brassica oleracea var. botrytis</i>	Fol gobi	Pusa snow ball, Pusa Katki, local Girja	Both sub tropical & intermediate	Abundant	Abundant	White and tender head, curd formed from shortened flower part	Curd Mainly used as vegetable	-	Also good source of protein, carbohydrate, phosphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers

22	Cabbage	<i>Brassica oleraceae var. capitata</i>	Band gobi	Golden Acre, Pride of India, Green Flesh	Both sub tropical & intermediate	Abundant	Abundant	Round head with light to dark green colour	Head Mainly used as vegetable, salad	-	Also good source of protein, carbohydrate, phosphorus & iron	Rabi	Farmers / Department/ Private Suppliers	Farmers
23	Knol khol	<i>Brassica oleraceae var. gongyloides</i>	Kadam	White vienna, Purple vienna	cool & moist climate/sub tropical	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
24	Spanich	<i>Spinacea oleracea</i>	Palak	All Green, Delta	Cool season Crop, thrives well on well drained loam soils	Abundant	Abundant	Tender green leaves & root used as Vegetable	Tender green leaves used as leafy Vegetable	-	Vitamins A and C, fiber, folic acid, and other nutrients	Rabi	Farmers / Department/ Private Suppliers	Farmers
25	Radish	<i>Raphanus sativus</i>	Mulli	Japanes White, Koren Etc	Cool season Crop, thrives well on well drained Sandy loam soils	Abundant	Abundant	Tender green leaves & roots used as Vegetable	Modified Roots are used as Vegetable & Salad	-	Full of vitamin A, C, E, B6, potassium, and other minerals,	Rabi	Farmers / Department/ Private Suppliers	Farmers
26	Carrot	<i>Daucus carota</i>	Gajer	Pusa Kesar, local	Cool & moist climate/sub tropical & intermediate	Abundant	Abundant	Modified Root is eatable	Root is used as Vegetable, Salad, Juice, Sweet Dish, Preserve etc.	-	Good source of carotene, lutein, and zeaxanthin. Vit A, C, B6, Folic acid	Rabi	Farmers / Department/ Private Suppliers	Farmers
27	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, Dietary Fiber & Potassium	Rabi	Farmers / Department/ Private Suppliers	Farmers

28	Exocitic Vegetables	<i>Broccoli// Chinese Cabbage / Capsicum etc.</i>		Prevelent Hybrid varieties	Cool &moist climate/sub tropical&inte rmedite	Rare	Abundant	All Plants Carats and Fruits are eadable Ric Source of antioxidants	Salad and Vegetable		Ric Source of Multivitamins, Minierals and Antioxidents	Rabi	Farmers / Department/ Privaate Suppliers	Farmers
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Format 03 Fodder Crop/ Species

1	2	3	4	5	6	7	8		9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Habit	Area (Approx.) Rabi/ Kharif	Landscape/ Habitat	Local Status		Part Used	Associated TK	Other details(mode of use)	Sources of Seeds and Plants	Community Kn. Holders
							Past	Present					
1	Barseem	<i>Trifolium alexandrium</i>	Chhatala	Annual		Sub Humid & moderately cool	Abundant	Abundant	Entire Plant	Nutritious & palatable fodder, Source of energy for animals	Fodder	Farmers / Department/ Private Suppliers	Farmers
2	Oats	<i>Avena spp.</i>	Javi	Annual		Cool & moist climate	Abundant	Abundant	Above ground part of plant	Nutritious & palatable fodder,	Fodder		Farmers
3	Sorghum	<i>Sorghum spp.</i>	cherri	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Fodder	Farmers / Department/ Private Suppliers	Farmers
4	Maize	<i>Zea mays</i>	Makki	Annual		Warm & humid	Abundant	Abundant	Above ground part of plant	Source of energy	Food & fodder		Farmers
5	Bajra	<i>Pennisetium americanum</i>	Bajra	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Source of energy	Food & fodder	Farmers / Department/ Private Suppliers	Farmers
6	Cowpea	<i>Vigna unguiculata</i>	Rongi	Annual		Warm & humid	Abundant	Normal	Above ground part of plant	Kharif Legume with high protein	Fodder		Farmers

Format 04 Weeds

1	2	3	4	5	6	7	8		9	10	11	12	13
S. No.	Plant	Scientific Name	Local Name	Affected Crop	Habit	Landscape/ Habitat	Local Status		Uses if any	Management options	Associated TK	Other details	Community Kn. Holders
							Past	Present					
1	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
2	Lamb's quarters	<i>Chenopodium album</i>	Bathua/ Kanh/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
3	Nut Grass	<i>Cyperus rotundus</i>	Dilla/Motha	Paddy, maize, sugarcane, vegetable	Perennial	Agri. & Non Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Traditionally used as medicine	Farmers
4	Barnyard Grass	<i>Echinochloa crusgalli</i>	Swank	Paddy	Annual	Agri. Land	Abundant	Abundant	Fodder & Animals	Physical, Mechanical, Chemical	Nil	Nil	Farmers
5	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
6	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

7	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
8	Meadow Pea	<i>Lathyrus aphaca</i>	Matri	Wheat Grass Peas, mustard	annual	Agri. Land	Normal	Normal	Fodder	Mechanical, Chemical	Nil	Agri. Land	Farmers
9	Canada Thistle	<i>Cirsium arvense</i>	Leh	Wheat gram, Barley	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
10	Bang	<i>Cannabisindica</i>	Bang	Kharif Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. Land	Farmers
11	Nilibuti	<i>Ageratum conyzoides</i>	Nilibuti	Rabi Crops	Perennial	Agri. & wasteLand	Normal	Normal		Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
12	Dub Grass	<i>Cynodon dactylon</i>	Dub Grass	Rabi/ Kharif	Perennial	Agri. & wasteLand	Abudant	Abudant	Fodder	Mechanical, Chemical	Nil	Agri. & wasteLand	Farmers
13	Wild oats	<i>Avena fatua</i>	Jangli Javi	Oats	Annual herb	Sub Tropical	Rare	Abundant	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
14	Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy	Annual herb	Sub Tropical	Rare	Abundant	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
15	Jhonson Grass	<i>Sorghum helepense</i>	Beru grass	Sorghum	Perinneal	Sub Tropical	Rare	Abundant	Fodder	Above ground parts	-	Nutrativ Fodder for Animals	Farmers
16	wild onion	<i>Allium humaie</i>	Jangli payas	Onion	Annual herb	Temprate/sub tropical	Rare	Abundant	Food and medicine	All parts used	-	-	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 resources accessed and season of access	Landscape management practices	Resource management practices	Cast/tribe	Social condition	Nature of inhabitants	No. of HHs
Hindu,Muslim 915-16), Sikh (2-3 Family) (Total Population 48584)	Government Services, private services,Agriculture,Live stock etc	Labourers	Plane and Hilly	Paddy (June to ending July),Maize (April to ending may),Wheat (Oct to Nov),Mustard (Sep/Oct)	Check Dam	Check Dam	General cast/Scheduled Cast/Scheduled tribes	Average	Farmers, Labourers, Retired army, Local Army	7-8 Hindus, 15-16 Muslims, 2-3 Sikhs
					Nallah Bank Erosion Structure (Protective Banks)	Nallah Bank Erosion Structure (Protective Banks)				
					Concrete Channel	Concrete Channel				
					Lined Channel	Lined Channel				
					Water Harvesting Structures	Water Harvesting Structures				

Format 8: Landscape

1			2	3	4	5	6	7	8	9	10	11	12
Major Landscapes			Sub - Landscapes	Features and approx. Area	Ownership	General flora	General fauna	User groups	Management practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow Land											
Plains			Plains	hilly as well as	Forest land, Private, state lands,	Broad leaved mainly	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			
			Hillocks	plain terrain with gentle slope	Forest land, Private, state lands,	Broad leaved	Domestic animals, wildlife such as porcupine, jackal etc.	Public, as well as pvt, and Govt also		Plantation and agriculture			

Format 9: Waterscape

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 91/2 Non Functional)			Forest land and Private land	kamal,Baryan,	Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Streams (Chenab)			Govt		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Tube well (2 functional, 4- Non Functional)			Forest land and Private land		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Dug wells (1 Functional)			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Canals			Private		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					
Hand pumps			Govt.		Frogs , fishes, snakes, snail,	Cattles, washing cloths, irrigation, Drinking etc	public					

Format 11 Fruit trees

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

Jamun	<i>Syzygium cumini</i>	Jamun	Local Selection	Tree, Regular Bearing	Plains	Rare	Rare	Nurseries, Local Raised	Jul - Aug	Fruit		Own Use	
Pomegranate	<i>Punica granatum</i>	Anaar, Druni	Ganesh, Kandhari, Local	Tree, Regular Bearing, Shrub	Plains, Mid hills	Rare	Rare	Nurseries, Local Raised, Wild	May - Aug	Fruit, Anardana		Own Use	
Peach	<i>Prunus persica</i>	Aaroo	July Elberta, Quetta	Tree, Regular Bearing	Plains, mid hills	Rare	Plenty	Nurseries	Jun - Jul	Fruit		Marketing, Own Use	
Karonda	<i>Carissa carandas</i>	Garnay	Local	Shrub	Hills/ Plains	Rare	Rare	Wild, Local	Jun - Aug	Fruit		Marketing, Own Use	
Papaya	<i>Carica papaya</i>	Papita	Local	Tree	Plains	Rare	Plenty	Nurseries, Locally Raised	Aug - Oct	Fruit		Own Use	

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

1	2	3	4	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Variety	Landscape/ Habitat	Source of plant/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own	Community/ Know.
						Past	Present					
Herbs	Dudlu	<i>Taraxacum officinale</i>		Temperate area	Root	Rare	Normal	nil	Leaves	N.A	N.A	Generally, held by community
Herbs	Jungli putna	<i>Mentha arvensis</i>		Lower shiwalik/Temperate area	Root	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bareyan	<i>Acorus calamus</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Canabis sativa</i>		Lower shiwalik	Seed	Abundant	Abundant	nil		N.A	N.A	Generally, held by community
Tree	Amla	<i>Phyllanthus emblica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Bair	<i>Ziziphus xylocarpa</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shiwalik	Seed	Rare	Abundant	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Bill-Patre	<i>Aegle mermelos</i>		Sub-Tropical area	Seed	Abundant	Abundant	nil	Root	N.A	N.A	Generally, held by community
Tree	Drankh	<i>Melia azadirach</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Harad	<i>Terminalia chebula</i>		Lower shiwalik	Seed	Abundant	Abundant	Good for digestion	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Jaman	<i>Syzygium cumini</i>		Lower shiwalik	Seed	Abundant	Abundant	maintains sugar level in human body	Leaves/Fruit	N.A	N.A	Generally, held by community

Tree	Lusada	<i>Cordia dichotoma</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves/Fruit	N.A	N.A	Generally, held by community
Tree	Mango	<i>Mangifera indica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem/Fruit	N.A	N.A	Generally, held by community
Tree	Retha	<i>Sapindus mukorossii</i>		Lower shiwalik	Seed	Rare	Rare	nil	Fruit	N.A	N.A	Generally, held by community
Tree	Rumbal	<i>Ficus racemosa</i>		Lower shiwalik	Seed	Rare	Rare	nil	Leaves	N.A	N.A	Generally, held by community
Tree	Sree	<i>Albizia lebbek</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Stem	N.A	N.A	Generally, held by community
Tree	Talli	<i>Dalbergia sissoo</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Tuni	<i>Toona ciliata</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Stem	N.A	N.A	Generally, held by community
Tree	Arjun	<i>Terminalia arjuna</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Bheda	<i>Terminalia bellerica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Amla	<i>Emblica officinalis</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Tree	Neem	<i>Azadirachta indica</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
tree	Khair	<i>Accacia catechu</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community
Shrubs	Bhang	<i>Cannabis sativa</i>		Lower shiwalik	Seed	Abundant	Abundant	nil	Leaves/Bark	N.A	N.A	Generally, held by community

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

Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non-commercial	Uses	Associated TK	Other details	Community/ Know. holder
Tree	kringal	<i>Casia fistula</i>		Flower Fruit	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Gandera	<i>Nerium oleander</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Thub	<i>Erythrina indica</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Tree	Badah	<i>Salix alba</i>		Seed	Non-Commercial	N.A	N.A	N.A	Generally, held by community
Climber	Kareer	<i>Rosa acicularis</i>		Seed	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	own	nil	nil	Generally, held by community
Trees	Mangoo	<i>Mangifera indica</i>	Lower shiwalik	Abundant	Abundant	Wild/ home-garden	own	nil	nil	Generally, held by community
Trees	Safeda	<i>Eucalyptus spp.</i>	Lower shiwalik	Rare	Abundant	Wild	commercial	nil	nil	Generally, held by community
Trees	Sree	<i>Albizzia lebbeck</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Talli	<i>Dalbergia sissoo</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Tuni	<i>Toona ciliata</i>	Lower shiwalik	Abundant	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Popular	<i>Populus ciliata</i>	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community
Trees	Jammun	<i>Syzygium cumini</i>	Lower shiwalik	Rare	Abundant	Wild	own	nil	nil	Generally, held by community

Format 16: Culture Fisheries

1	2	3	4	5	6	7	8	9	10	11	12
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

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	Shisham	<i>Dalbergia sisoo</i>	Tree	Northern/ Sub-Tropical	Good	Moderate	Commercial/ own use	Stem, Timber	-	-	-
Tree	Khair	<i>Acacia catechu</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	Katha	-	-
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Fruit	Food processing	-	-
Tree	Siris	<i>Albizzia lebbek</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial own use	Timber/ Firewood	-	-	-
Tree	Simbal	<i>Bombax cebia</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-	-
Tree	Kamila	<i>Mallotus philippensis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial /own use	Timber/ Firewood	-	-	-
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial /own use	Fruit	-	-	-
Tree	Plash	<i>Butea monosperma</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Amb	<i>Mangifera indica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Tree	Kiker	<i>Acacia nilotica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Sagwan	<i>Tectona grandis</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-

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	Safeda	<i>Eucalyptus</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Tree	Bel	<i>Aegle marmelos</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Leaves/ Fruit	-	-	-
Tree	kakoa	<i>Flacourtia indica</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Herbs	Bhang	<i>Cannabis sativa</i>	herbs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Leaves	-	-	-
Shrub	Jojra	<i>Pupalia lappacea</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	-
Shrub	Garna	<i>Carissa spinarum</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Fruit	-	-	-
Shrub	Panjphuli	<i>Lantana camara</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	-
Shrub	Pansar	<i>Wendlandia heynei</i>	Shrubs	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	-	-	-	-
Herbs	congress Grass	<i>Parthenium hysterophrous</i>	herbs	Northern/Sub-Tropical	Good	Moderate	-	-	-	-	-
Tree	Badh	<i>Ficus religiosa</i>	Tree	Northern/Sub-Tropical	Good	Moderate	-	-	-	-	-
Tree	Phulai	<i>Acacia modesta</i>	Tree	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Timber/ Firewood	-	-	-
Climber	Tarad	<i>Dioscorea belophylla</i>	Climber	Northern/Sub-Tropical	Good	Moderate	Commercial/own use	Roots	-	-	-

Format 19: Wild Plant Species of Importance

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

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
Sl.No	Local Name	Scientific Name	Variety	Importance	Trends

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		Uses (usage)	Part used	Other details market/own use	Community/ Knowledge Holder
					Past	Present				
Tree	Arjun	<i>Terminalia arjuna</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark	-	-
Tree	Amla	<i>Emblica officinalis</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-
Tree	Harad	<i>Terminalia chebula</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-
Tree	Behra	<i>Terminalia bellerica</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Bark/ Fruit	-	-
Tree	Jamun	<i>Syzygium cumini</i>	Tree	Northern/Sub-Tropical	Good	Good	Medicinal	Fruit /seeds	-	-

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
Gandila	<i>Nerium indicum</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Panjtara	<i>Tara spinosa</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Bougainvillea	<i>Bougainvillea glabra</i>	Shrub	Northern/ Sub-Tropical	-	-	-	-
Gulmohar	<i>Delonix regia</i>	Tree	Northern/ Sub-Tropical	-	-	-	-

Format 25:Fumigate/Chewing Plants

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

Format26: 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				
Chir	<i>Pinus roxburghii</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Shisham	<i>Dalbergia sissoo</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Ber	<i>Ziziphus jujuba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Sagwan	<i>Tectona grandis</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Safeda	<i>Eucalyptus</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Simbal	<i>Bombax ceiba</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Tunu	<i>Cidrela toona</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-
Jamun	<i>Syzygium cumini</i>	Northern/Sub-Tropical	Good	Moderate	Commercial/ own use	Timber/ Firewood	-	-

Format27 A:Coastal and Marine Flora

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

Format 27 B:Coastal and Marine Fauna

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

NIL

Format 29: Flora

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

Format 30: Fauna

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

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks
1	Board - 100-200 yrs old	
2	Datyal- 100-200 yr old	

End of Part II