

Peoples' Biodiversity Register (PBR): General Details	
Name of the Panchayat Samiti: MC Arnia	
Taluk/Tehsil:	
District: Jammu	
State/UT: Jammu And Kashmir	
Geographical Area of the panchayat Samiti:	
Population Of the Panchayat samiti... Total	
Male=	Female =
Habitat and Topography:	
Climate (Rainfall, Temperature and other weather patterns):	
Land Use (Nine fold classification available with village records):	
Date, Month and Year of PBR preparation:	

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)

1)Name of the Chairperson:

Age:

Gender:

Address:-

Area of specialization:

2) Name:

Age:

Gender:

Address:

Area of specialization

3)Name:

Age:32

Gender:

Address:

Area of specialization:

4)Name:

Age:

Gender:male

Address:

Area of specialization:

5)Name:

Age:

Gender:

Address:

Area of specialization:

6)Name:

Age:

Gender:

Address:

Area of specialization:

7)Name:

Age:

Gender:

Address:

Area of specialization:

Annexure-2

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

1) Name :

Age:

GENDER:

Address:

Area of specialization:

Location from which the person accesses biological material: local/non local

Perception of the practitioner on the resource status:less local resources available

Medicinal Use:

2) Name :

Age:

GENDER:

Address:

Area of specialization:

Location from which the person accesses biological material: local/non local

Perception of the practitioner on the resource status:less local resources available

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 :

Age:

Gender:

Address:

Area of specialization: Agriculture

2) Name :

Age: 50

Gender:

Address:

Area of specialization:

3) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

4) Name of the Chairperson:

Age:

Gender:

Address:

Area of specialization:

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:

Name and Address:

2) Contact Person:

Name and Address:

3) Contact Person:

Name and Address:

4) Contact Person:

Name and Address:

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

Annexure-5

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

S.no	Name and address of the Person /Institute/company others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the Panchayat	Detail of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

End of Part I

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

PBR – Formats

AGROBIODIVERSITY

Format 1: Crop Plants

1	2	3	4	5	6	7		8	9	10	11	12	13	14
Crop	Scientific Name	Local Name	Variety	Landscape/ Habitat	Approx. areashown	Local Status		Special features	Cropping Season	Uses	Associated TK	Other details	Source of Seeds/Plants	Community/ Knowledge Holder
						Past	Present							
Rice	<i>Oryza sativa</i>	Dhan Munji	PR-113	Suitable for sub tropical areas mature in 135-140 days approx.	190 ha	Abundant	Abundant	Dwarf high yielding ariety	June-Oct	Food fodder		Suitable	Agri. Deptt. Private angecies	
	<i>Oryza sativa</i>	Dhan Munji	PR-1121	Suitable for sub tropical areas		Abundant	Abundant	Expetion kernel elongation and volume expansion	June-Oct	Food fodder	Easy digestibilty	Suitable	Agri. Deptt. Private angecies	
	<i>Oryza sativa</i>	Dhan Munji	Jaya	Suitable for sub tropical areas		Abundant	Abundant	Dwarf high yielding variety	June-Oct	Food fodder			Agri. Deptt. Private angecies	
	<i>Oryza sativa</i>	Dhan Munji	Begumi	160-165 Cm		Abundant	Abundant	Tall in height, sweet in taste	June-Oct	Food fodder	More nutritive	Suitable	Agri. Deptt. Private angecies	
	<i>Triticum</i>	Kanak	HD-2967	150-155 Cm	220 ha	Abundant	Abundant	Dwarf high yielding ariety	Nov-Apr	Food fodder	More nutritive	Suitable	Local	

Wheet	<i>Triticum</i>	Kanak	Raj-3077	135-140 Cm		Abundant	Abundant	Dwarf high yielding ariety	Nov-Apr	Food fodder	Modertaerly	Suitable	Agri. Deptt. Private angecies	
	<i>Triticum</i>	Kanak	Raj-3765	125-13- Cm		Abundant	Abundant	Dwarf high yielding ariety	Nov-Apr	Food fodder	Late sown variety	Suitable		
	<i>Triticum</i>	Kanak	PBW-644	Troppical.Su b		Abundant	Abundant	Drought resistant	Nov-Apr	Food fodder	Early sown variety	Suitable	Agri. Deptt. Private angecies	
Maize	<i>Zeamays</i>	Makk kukri chilli buhtta	Double dekalb yellwo	Mostly warm weather plant	3.5 ha	Abundant	Abundant	High yielding ariety	July-Oct	Frain fodder	Raw material	Suitable	Agri. Deptt. Private angecies	
	<i>Zea mays</i>	Makk kukri chilli buhtta	Kh-517	Mostly warm weather plant		Abundant	Abundant	Lodging resistant	July-Oct	Frain fodder	Fodder is of good quailty remains green	Suitable	Agri. Deptt. Private angecies	
Pules	<i>Bigna mungo</i>	Maa/Mash	T-9	Suitable of plan \$mid hills 800 ha	3.5 ha	Abundant	Abundant	High yielding ariety	June-Oct	Dhal papaad wadi	High protein	manuring crops	Agri. Deptt. Private angecies	

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
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	Community / Knowledge holder
					Past	Present						
Ber	<i>Zyzyphus mauritiana</i>	Ber	Wild	Agri. Land	Abundant	Available	Seeds	Feb-Apr	Own use			
Karonda	<i>Carissa carandas</i>	Garna q	Wild	Agri. Land	Rare	Rare	Seeds	Mar-Aug	Own use			
Peach	<i>Prunis persica</i>	Aado	Selection	Agri. Land	Rare	Rare	Seeds	Mar-June	Own use			
Toot	<i>Morus indica</i>	Shahtoot	Wild	Agri. Land	Abundant	Available	Plant	July-Aug	Own use			
Phagwari	<i>Fragaria nubicola</i>	Phagwoora	Wild	Agri. Land	Abundant		Seeds	Apr-June	Own use			
Imili	<i>Tamarandus indica</i>	Imili	Wild	Agri. Land	Rare	Rare	Seeds	Jan apr	Own use			
Lasoda	<i>Cordia dichotoma</i>	Lasoda	Wild	Agri. Land	Abundant	Available	Seeds	Mar june	Own use			
Wild Khajor	<i>Poenic sylvestiric</i>	\Wild Khajor	N/A	Agri. Land	Rare	Rare	Plant	Oct Dec	Own use			
Bael	<i>Aegle marmelos</i>	Phalsa	Desi unbudedd	Agri. Land		Rare	Plant	Oct Dec	Own use			
Phalas	<i>Grewia asistica</i>	Phalsa	Desi unbudedd	Agri. Land	Abundant	Available	Plant	Apr-June	Own use			

Jamun	<i>Syzdium cumini</i>	Jamun	Desi unbudedd	Agri. Land	Abundant	Available	Plant	July-Aug	Own use			
Banana	<i>Musa paradisica</i>	Banana	Desi unbudedd	Agri. Land	Rare	Rare	Plant	Feb-Apr	Own use			
Mango	<i>Mangidera indica</i>	Mango	Desi unbudedd	Agri. Land	Rare	Rare	Plant	Mar-Aug	Own use			
Lychee	<i>Litchi chinensis</i>	Litchi	Desi unbudedd	Agri. Land	Rare	Rare	Plant	Mar-June	Own use			
Guava	<i>Psiidium guajava</i>	Gauva	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	July-Aug	Own use			
Lemon	<i>Cirtus sinesis</i>	Lemon	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	Apr-June	Own use			
Mousaml	<i>Autocarpus</i>	Mousaml	Desi unbudedd	Agri. Land	Rare	Rare	Plant	Jan apr	Own use			
Jack fruit	<i>Autocarpus</i>	Jack fruit	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	Mar june	Own use			
Sweet lime	<i>Cirtus limetoidos</i>	Sweet lime	Desi unbudedd	Agri. Land	Rare	Rare	Plant	Oct Dec	Own use			
Progegrante	<i>Punica grantum</i>	Progegrante	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	Oct Dec	Own use			
Papya	<i>Carica grantum</i>	Papya	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	Apr-June	Own use			
Mandrain	<i>Cirtus vinifer</i>	Mandrain	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	July-Aug	Own use			
Grapes	<i>Vitis vinifera</i>	Grapes	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	Oct Dec	Own use			
Anola	<i>Phyllanthus emblica</i>	Anola	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	Apr-June	Own use			
Custard	<i>Annoan reticulata</i>	Custard	Desi unbudedd	Agri. Land	Abundant	Abundant	Plant	July-Aug	Own use			

Pear	<i>Pyrus communis</i>	Pear	Selection	Agri. Land	Rare	Rare	Plant	July-Aug	Own use			
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District:- Jammu.

Format 3: Fodder Crops / Species

1	2	3	4	5		6	7	8	9	10
Plant	Scientific Name	Local Name	Landscape / Habitat	Local Status		Source of Plants / Seeds	Associated TK	Part Used	Other details	Community /Knowledge holder
				Past	Present					
Sorhum	<i>Sorghum biclor</i>	Jowar	Warm climate crop	Plentyt	Plentyt	Agri. Deptt/ Private	It has resistance to disiccation and tolerata to water logginfg condition	Whole plant	Soil with clay loam texture having good water rection capacity are best suitable for its cultivatioln	
Peari Millet	<i>Pennisetum</i>	Bajra	Troppical/ Sub	Plentyt	Plentyt	Agri. Deptt/ Private	High tilering	Whole plant	It is quick growing diease and frost resistance	
Berseem	<i>Terfolium</i>	Berseem	Winter forage	Plentyt	Plentyt	Agri. Deptt/ Private	It is rich in calcium	Part use to whole plant	Improve physival condiiton of soil	
Bajara	<i>Pernisectum</i>		Warm climate crop	Plentyt	Plentyt	Agri. Deptt/ Private	It has resistance to disiccation and tolerata to water logginfgconditi on	Whole plant	Soil with clay loam texture having good water rection capacity are best suitable for its cultivatioln	

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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					
Shol	<i>Local</i>	Shol	Paddy	Broad leaf and consumer nutrients of the plant and reduces the production.	Floating on the water	Plenty	Plenty	Nil	Drying of paddy field as a result leaves dry		Hady and Wider adaptability, multiply very fast	Pehari Community
Shama	<i>Local</i>	Shama	Paddy	Complete with nutrients light and space with paddy crop and reduces the production	Tall growing just like paddy	Plenty	Plenty	Nil	Use of weedicide		Hady and Water adaptability	
Bathua	<i>Chenopodium sp</i>	Bathua	Wheat	Complete with nutrients light and space with paddy crop and reduces the production	Grows with wheat crop	Plenty	Plenty	Nil	Use of weedicides metribunzine		Hady and Wider adaptability, multiply very fast	
Siti	<i>Phalaris</i>	Siti, Gehoon ka mama Gulli Danda	Wheat	Complete with nutrients light and space with paddy crop and reduces the production	Grows with wheat crop	Plenty	Plenty	Nil	Use of weedicides metribunzine			
Dhoob	<i>Cynodon dactylon</i>	Dhoob	Maize	Weed emerges with germination with maize	Grows with maize crop	Plenty	Plenty	Nil	Use of weedicides metribunzine			

Other details may include how long the weeds have been suppressing/adversely affecting the crops in this locality, when it came under notice, intensity of natural multiplication etc.

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Format 5: Pests of Crops

1	2	3	4	5	6	7	8	9	10
Host	Insect / Animal	Scientific Name	Local Name	Habitat	Time / season of attack	Management mechanism	Associated TK	Other details	Community/ knowledge holder
Litchi	Insect	<i>Cryptophlebia ombrodelta</i>	Nut Borer	Soil	Apr May	Biological/Chemical			
Litchi	Insect	<i>Aceria litchi</i>	Mite	Soil	Apr May	Biological/Chemical			
Litchi	Insect	<i>sophanes</i>	Cherwing Borer	Soil	All Season	Biological/Chemical			
Citrus	Insect	<i>Nasutitermies Spp</i>	Termiteds	Soil	All Season	Biological/Chemical			
Citrus	Insect	<i>Aonidella aurnati</i>	Red Scale	Soil	All Season	Biological/Chemical			
Mango	Insect	<i>Sternochertus manider</i>	Seed Weevil	Soil	All Season	Biological/Chemical			
Mango	Insect	<i>Nasutitermies Spp</i>	Shoot Caterplliar	Soil	All Season	Biological/Chemical			
Mango	Insect	<i>Pseudocous adonidum</i>	Termites	Soil	All Season	Biological/Chemical			
Cirtus Mango, Litchi, Gauva	Insect	<i>Isptera Spp</i>	Termiltes	Soil	All Season	Biological/Chemical			

Other details may include possible reasons for insects/animal attack

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

Format 6: Markets for Domesticated animals

1	2	3	4		5	6	7	8	9
Name of the market & location	Weekly (D)/Fortnightly (D) /Monthly (D) /Monthly (D) /Biannual (M) /Biannual (M) /[1]	Types of animals bought and sold[2]	Types and Number of transacted in a day	Average animals	Places from which animals are brought	Places to which the animals are sold / transported	Name and location of fish market	Types of fishes sold	Source of fish
NIL									

Note: [1] (D) – day; (M) – month;

[2] Types of animals may include: Poultry / Sheep / Goats / Cattle / Ducks / Pigs / Donkeys / Mules / Horses / Camels / Others (Specify)

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

Format 7: Peoples cape

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 House Holds
NIL										

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.

Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc

How the community manages the landscapes they use for satisfying different needs, their strategies and perception

How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc.

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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	Managem ent practices	General uses	Associated TK	Other details	Community accessed
Agricultural land	Pond	Fallow Land											
Plain & Kandi Araa.			Plains.	Flat sweeping landmass with small chande in elevation.	Private & State land.	Kaimeela, Phogari, Beri, Dhaman, Plah, Rumbal, Jamun, Amb, Amla,Rumble, Jamun, Krangal, Simble, Kikar, Bohr, Peeples, Branker, Dramkeri, Bana, Drenk, Tut, etc.	Domestic animals wildlife such as wild pig, lapwing, monkeys, jackal etc.	Public as well as private 7 Govt. also.		Aesthetic and Scenic beauty in urban areas and plantation.			

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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.			State land & Private land.	Tali, Kamal, Brankad, Bori, Peeples & Khujari etc.	Frogs, Fishes, Snakes, Snail.	Cattle Washing Cloths, Irrigation, Drinking etc.	Public.					
Streams.			State land & Private land.	Bana, Aak, Khar Grass, Panjphuljari etc.	Frogs, Fishes, Snakes, Snail.	Cattle Washing Cloths, Irrigation, Drinking etc.	Public.					
Tube Well.			State land & Private land.			Cattle Washing Cloths, Irrigation, Drinking etc.	Public.					
Dug Wells.			Private.			Cattle Washing Cloths, Irrigation, Drinking etc.	Public.					
Canals			Nil	Nil	Nil	Nil	Nil					
Hand Pumps.			Private.	Bana, Aak, Khar Grass, Panjphuljari etc.	Frogs, Fishes, Tortoise, Snakes, Snail.	Cattle Washing Cloths, Drinking etc.	Public.					

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

Name of ULB:- Municipal Committee, Bishnah.

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Format 10: Soil type

1	2	3	4	5	6	7	8	9	10	11	12	13
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information	Management practices	General uses	Associated TK	Other details	Community accessed
Alluvial Sandy Soil.	Fine & Coarse Grain.	Rich in an, CA, Fe, si										
Hill & Muntain Soil.	Fine & Coarse Grain.	ca, fe,n,si etc.										
Rd Podozolic Soil.	Brown, Red.	fe, ca, fe,n,si										

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

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

DOMESTICATED BIODIVERSITY

Format 11: Fruit Trees

1	2	3	4	6	7		8	9	10	11	12	13
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/ Knowledge Holder
					Past	Present						
Mango	Aam	<i>Mangifer indica</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Lychee	Litchi	<i>Litchi chinensis</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Guava	Ambrud	<i>Psidium guajava</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Lemon	Nimbu	<i>Citrus aurantifolia</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Mousambi	Mosambi	<i>Citrus sinensis</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Jack Friut	Sathal	<i>Autocarpus hetrophyll</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Sweet Lime	Metha	<i>Cirtus limettodies</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Pomer Grantee	Annar	<i>Carica papaya</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Papya	Papita	<i>Citrus reticult</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Mandrain	Santra	<i>Vitis vinifera</i>	Fruit	Agri Land	Avaiable					Own Use/Market		
Grapes	Angoor	<i>Phyllanthus emblica</i>	Fruit	Agri Land	Avaiable					Own Use/Market		

Anola	Amla	<i>Citrus reticul</i>	Fruit	Agri Land	Avaiable				Own Use/Market		
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Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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

1	2	3	5	6	7		8	9	10	11	12
Plant Type	Local Name	Scientific Name	Landscape/Habitat	Source of Plants/seeds	Local status		Uses (usage)	Part used	Associated TK	Other details market/own use	Community/Knowledge Holders
					Past	Present					
Herbs	Jungli.Putna.	<i>Mentha arvensis</i>	Lower Shiwalik/Temperate Area	Stem/Seed	Abundant	Abundant	Medicinal	Leaves	N/A	N/A	Generally held by Community
Shrubs	Brankad	<i>Adatoda vasica</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Medicinal	Roots & Flower	N/A	N/A	Generally held by Community
Shrubs	Drainkdu	<i>Murraya koenigii</i>	Sub-Tropical Area	Seed	Rare	Rare	Medicinal & Spice.	Fruits	N/A	N/A	Generally held by Community
Shrubs	Thor/Shuu	<i>Euphorbia royleana</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Medicinal	Leaves	N/A	N/A	Generally held by Community
Shrubs	Bareyan	<i>Acorus calamus</i>	Lower Shiwalik.	Seed	Rare	Rare	Medicinal	Leaves	N/A	N/A	Generally held by Community
Herbs	Bhang	<i>Canabis sativa</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Medicinal	Leaves	N/A	N/A	Generally held by Community
Tree	Bair	<i>Ziziphus marutiana</i>	Lower Shiwalik.	Seed	Rare	Rare	Medicinal	Stem	N/A	N/A	Generally held by Community
Tree	Bahera	<i>Terminalia bellerica</i>	Lower Shiwalik.	Seed	Rare	Abundant	Medicinal	Fruits	N/A	N/A	Generally held by Community
Tree	Draink	<i>Melia azedarach</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Medicinal	Leaves	N/A	N/A	Generally held by Community
Tree	Jamun	<i>Syzygium cumini</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Medicinal	Leaves/Fruits	N/A	N/A	Generally held by Community
Tree	Karal	<i>Bauhinia variegata</i>	Lower Shiwalik.	Seed	Rare	Rare	Medicinal	Leaves/Flower	N/A	N/A	Generally held by Community
Tree	Khair	<i>Acacia catechu</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Medicinal	Leaves/Stem	N/A	N/A	Generally held by Community

Tree	Kringal	<i>Casis fistula</i>	Lower Shiwalik.	Seed	Rare	Rare	Flowers as vegetable	Fruit.	N/A	N/A	Generally held by Community
Tree	Mango	<i>Mangifera indica</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Fruits	Stem/Fruit	N/A	N/A	Generally held by Community
Tree	Rumble	<i>Ficus racemosa</i>	Lower Shiwalik.	Seed	Rare	Rare	Medicinal	Leaves	N/A	N/A	Generally held by Community
Tree	Siris	<i>Albizzia lebbek</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Firewood	Leaves/ Stem	N/A	N/A	Generally held by Community
Tree	Tali	<i>Dalbergia sissoo</i>	Lower Shiwalik.	Seed	Abundant	Abundant	Timber & Fodder	Stem	N/A	N/A	Generally held by Community
Tree	Amla	<i>Emblica officinalis</i>	Lower Shiwalik.	Seed	Rare	Rare	Medicinal	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

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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
Ornamental Tree	Alstonia	<i>Alstonia scholaris</i>	-	Nursery	Non Commercial	Ornamental/ landscaping	Medicinal, wood used for making slates and blackboards, Bark Bitter, Astringent..	Flowering from December to March,	Floriculturists/Nurserymen/ Gardeners
Ornamental Tree	Willow,	<i>Ficus benamina</i>	-	Nursery	Non Commercial	Ornamental/ landscaping	Ornamental Avenue Tree	Evergreen, Shade	Floriculturists/Nurserymen/ Gardeners
Ornamental Tree	Sukh Chain	<i>Pongamia pinnataL.</i>	-	Nursery	Non Commercial	Ornamental/ landscaping	Ornamental, shade,	Flowering from May to July, Ash of tree used for dyeing	Floriculturists/Nurserymen/ Gardeners
Ornamental Shrub	Yellow Nerium	<i>Thevetia peruviana</i>	-	Nursery	Non Commercial	Ornamental/ landscaping	Highly Poisonous	Yellow flower	Floriculturists/Nurserymen/ Gardeners
Ornamental Tree	Tecoma	<i>Tecoma argentea</i>	-	Nursery	Non Commercial	Ornamental/ Landscaping	-	Ornamental purpose	Floriculturists/Nurserymen/ Gardeners
Ornamental Tree	Dracaena	<i>Dracaena reflexa</i>	-	Nursery	Non Commercial	Ornamental/ Landscaping	Antipyretic, Hemostatic	Air purifying plant , suitable	Floriculturists/Nurserymen/ Gardeners

1 pot plant		<i>rejeau</i>			Commercial	Landscaping	hemostatic	for pots	GARDENS
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Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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	Associated TK	Other details	Community/ Knowledge holder
				Past	Present					
Trees	Kiker	<i>Acacia nilotica</i>	Lower Shiwalik	Rare	Rare	Wild	Commercial	Nil	Nil	Generally held by Community
Trees	Mango	<i>Mangifera indica</i>	Lower Shiwalik	Abundant	Abundant	Wild/ home-garden	Commercial	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	Commercial	Nil	Nil	Generally held by Community
Trees	Tali	<i>Dalbergia sissoo</i>	Lower Shiwalik	Abundant	Abundant	Wild	Commercial	Nil	Nil	Generally held by Community
Trees	Tuni	<i>Toona ciliata</i>	Lower Shiwalik	Abundant	Abundant	Wild	Commercial	Nil	Nil	Generally held by Community

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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	Stationery.	Plenty	Rare	Mutton, wool, skin & manure	Yes	Some	Mutton, wool, manure, bones, hide & gut	Locals
Sheep	Bhaed	<i>Ovis aries</i>	Rambouillet cross	Large size, fine wool with long legs mostly white in color	Stationery.	Plenty	Rare	Mutton, wool, skin & manure		Some	Mutton, wool, manure, bonehide & gut	Locals
Goat	Bakri	<i>Copra hircus</i>	Beetal crosses	Large size, high body weight mostly black & brown body color	Stationery.	Plenty	Rare	Chevon, milk, skin, hair & manure	Yes	Some	Chevon, milk, skin, hair, bone hide & gut	Locals

Uses include milk, meat, skin, fur and etc

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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					
Warm Water	Rohu	<i>Labeo rohita</i>	IMC	Elonagated Torpoedo Shaped Body	Pond	Abundant	Govt/ Provate Farms	Commercial important food fish		Reared in private Govt Farms	High Nutiratiois fish	
Warm Water	Ctla	<i>Catla catla</i>	IMC	Elonagated Torpoedo Shaped Body	Pond	Abundant	Govt/ Provate Farms	Commercial important food fish		Reared in private Govt Farms	High Nutiratiois fish	
Warm Water	Mragg	<i>Cirrihinus mrigla</i>	IMC	Elonagated Torpoedo Shaped Body	Pond	Abundant	Govt/ Provate Farms	Commercial important food fish		Reared in private Govt Farms	High Nutiratiois fish	
Warm Water & Cold Water	Grass Carp	<i>Cirrihinus mrigla</i>	Exotic	Elonagated Torpoedo Shaped Body	Pond	Abundant	Govt/ Provate Farms	Commercial important food fish		Reared in private Govt Farms	High Nutiratiois fish	
Warm Water & Cold Water	Silver Carp	Deep Body littely compressed silvery in colour	Exotic	Elonagated Torpoedo Shaped Body	Pond	Abundant	Govt/ Provate Farms	Commercial important food fish		Reared in private Govt Farms	High Nutiratiois fish	
Warm Water & Cold Water	Common Carp	Deep Body littely compressed black in colour	Exotic	Elonagated Torpoedo Shaped Body	Pond	Abundant	Govt/ Provate Farms	Commercial important food fish		Reared in private Govt Farms	High Nutiratiois fish	

Note: Other details include mode of catching fish, time of availability, breeding time, feeds and etc

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	Associate d TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Tali	<i>Dalbergia sissoo</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Stem. Timber			
Tree	Khair	<i>Acacia catechu</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Amla	<i>Emblica officinalls</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Fruit			
Tree	Siris	<i>Albizzia lebbeck</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Simble	<i>Baomboc cebia</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Kamila	<i>Mallotus phillppenis</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Krangal	<i>Cassia fistula</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Ber	<i>Ziziphus jujuba</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Fruit			
Tree	Plaah	<i>Butea monosperma</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Arjun	<i>Terminalis arjuna</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			

Tree	Jamun	<i>Syzygium cumini</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Santha	<i>Dodonaea viscosa</i>	Shrubs	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Amb	<i>Mangifera indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Kiker	<i>Acacia nilotic</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Saefda	<i>Eucalyptus</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Neem	<i>Azadirachata indica</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Climber	Amar Bel	<i>Cuscuta reflex</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Grass	Doob Grass	<i>Cynadon dactylon</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Shurb	Dhatura	<i>Datura stramonium</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Shurb	Arind	<i>Ricinus communis</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Climber	Giloe	<i>Tinospora cordifolia</i>	Climber	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Shurb	Bana	<i>Vitex negundo</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Tree	Bel	<i>Agel marmelos</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			

Tree	Daduni	<i>Punica granatum</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Shurb	Rumble	<i>Ficus glomerta</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Grass	Fagora	<i>Ficus plamata</i>	Tree	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Grass	Panjphulli	<i>Lantana camara</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Shurb	Nad	<i>Arundo donax</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Herb	Khar	<i>Saccharum munja</i>	Grass	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
Herb	Drenkeri	<i>Murraya koengli</i>	Shurb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
	Congress Grass	<i>Parthenium hysterophorus</i>	Heb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			
	Chalri Sag	<i>Amaranthus viridis</i>	Herb	Farmlands & Urban areas	Good	Moderate	Commercial / Own use	Timber/ Firewood			

Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other details	Community/ Knowledge Holder
					Past	Present				

Other details may include mode of catching fish, time of availability, breeding time, etc

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

Format 22: Wild Plants of Medicinal Importance

1	2	3	4	5	6		7	8	9	10	11
Plant (Herb, Shrub, Tree)	Local Name	Scientific Name	Variety	Landscape / Habitat	Local Status		Associated TK	Uses (usage)	Part used	Other details market/ own use	Community/ Knowledge Holder
					Past	Present					
Tree	Amla	<i>Emblca officinalis</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Fruit		
Tree	Krangal	<i>Cassia fistula</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Pad		
Tree	Jamun	<i>Syzgium cumni</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Fruit		
Tree	Ber	<i>Ziziphus jujuba</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Fruit		
Tree	Kikar	<i>Acacia nilotica</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Bark & Pods		
Tree	Dhrenk	<i>Melia azedarach</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Seeds & Leaves		
Tree	Neem	<i>Azadirachata indica</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Leaves		

Grass	Doob Grass	<i>Cynadon dactylon</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Leaves		
Shurb	Dhatura	<i>Datura starmonium</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Fruit		
Shurb	Arnid	<i>Ricinus communis</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Oil		
Climber	Giloe	<i>Tinospora cordifoli</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Stem		
Shurb	Bana	<i>Vitex negundoa</i>		Alluvial plain/Farm lands.	Good	Good		Medicinal	Leaves		

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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>Mantha arvensis</i>		Farm lands	Good	Abundant	Spice	Leaves			
Herb	Buch	<i>Acrous calmus</i>		Farm lands	Good	Good	Medicinal	Roots			
Herb	Haldi	<i>Corcuma domestica</i>		Farm lands	Good	Abundant	Spice	Roots			
Herb	Ginger	<i>Zingiber officinale</i>		Farm lands	Good	Abundant	Spice	Roots			
Herb	Methi	<i>Trigonella foenum</i>		Farm lands	Good	Abundant	Spice	Seeds			
Grass	Citronella	<i>Cymbopogon nardus</i>		Farm lands	Good	Good	Spice	Leaves			
Herb	Horioh	<i>Brassica campestris</i>		Farm lands	Good	Abundant		Seeds			

Municipal Committee, Bishnah.

District:- Jammu.

Format 26: Timber Plants

1	2	3	4		5	6	7	8
Local Name	Scientific Name	Habitat	Local		Other Uses, if any	Associated TK	Other Details	Community/ Knowledge Holder
			Status					
			Past	Present				
Shisham	<i>Dalbergia sissoo</i>	Farmlands	Good	Good	Commercial/ Own use	Timber/Firewood		
Ber	<i>Ziziphus jujuba</i>	Farmlands	Good	Moderate	Commercial/ Own use	Timber/Firewood		
Safeda	<i>Eucalyptus tereticornis</i>	Farmlands	Good	Moderate	Commercial/ Own use	Timber/Firewood		
Aam	<i>Mangifera indica</i>	Farmlands	Good	Good	Commercial/ Own use	Timber/Firewood		
Kikar	<i>Acacia nilotica</i>	Farmlands	Good	Good	Commercial/ Own use	Timber/Firewood		
Dherenk	<i>Melia azedarach</i>	Farmlands	Good	Moderate	Commercial/ Own use	Timber/Firewood		
Tut	<i>Morus alba</i>	Farmlands	Good	Moderate	Commercial/ Own use	Timber/Firewood		
Jamun	<i>Syzygium cummi</i>	Farmlands	Good	Moderate	Commercial/ Own use	Timber/Firewood		
Dhaman	<i>Grewia optiva</i>	Farmlands	Good	Moderate	Commercial/ Own use	Timber/Firewood		
Simbal	<i>Bomboax ceiba</i>	Farmlands	Good	Good	Commercial/ Own use	Timber/Firewood		

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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	Good					
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					

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

URBAN BIODIVERSITY

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.	Alstonia	<i>Alstonia scholaris</i>	Ornamenta 1 Tree	Open reed areas, near rivers, road sides, Cultivated.	October	Medicinal, wood used for making slates and blackboards, Bark Bitter, Astringent..
2.	Willow,	<i>Ficus benjamina</i>	Ornamenta 1 Tree	Swampy areas, marshy places, thicklets. Evergreen tree with a dense, wide crown; it can grow 15-30 metres tall at the elevations from 400-800 metres from sandy to limestone soils.	Leaves are beautiful	Ornamental Avenue Tree
3.	Sukh Chain	<i>Pongamia pinnataL.</i>	Ornamenta 1 Tree	Terrestrial, Freshwater, Cultivated	March-April	Ornamental, shade, Yields oil, source of timber and fuel wood,
4.	Yellow Nerium	<i>Thevetia peruviana</i>	Ornamenta 1 Shrub	Cultivated	May-Sep.	Highly Poisonous
5.	Tecoma	<i>Tecoma argentea</i>	Ornamenta 1 Shrub	Cultivated	All the year round	-
6.	Dracaena	<i>Dracaena reflexa</i>	Ornamenta 1 shade loving plants	Cultivated	Leaves are beautiful	Antipyretic, Hemostatic

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

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 livia</i>	Birds	Terrestrial	Common
7	Pigeon	<i>Pavo cristatus</i>	Birds	Terrestrial	Common
8	Peacock	<i>Tapioma sessila</i>	Birds	Terrestrial	Common
9	Ant	<i>Apis cerana indica</i>	Insects	Terrestrial	Common
10	Bee	<i>Rhopalocera spp.</i>	Insects	Terrestrial	Common
11	Butterfly	<i>Culicade</i>	Insects	Terrestrial	Common
12	Mosquito	<i>Anura spp.</i>	Insects	Terrestrial	Common
13	Frog		Aquatic animals	Terrestrial	Aquatic

Name of ULB:- Municipal Committee, Bishnah.

District:- Jammu.

Format 31: Any other information of local importance

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