

Peoples' Biodiversity Register (PBR): General Details

Name of the Panchayat Samity: Bhutna Churyana

Taluk: Drabshalla

District: Kishtwar

UT: Jammu & Kashmir

Geographical Area of the Panchayat Samity:

Population under the Panchayat Samity: Total =

Male

Female

Habitat and Topography: Hilly terrain

Climate (Rainfall, Temperature and other weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR preparation: 27/10/2020

Management Regime: Reserve Forests (RF) / Joint Forest Management (JFM) / Protected Areas (PA) / Community Owned and Managed Forests (COM)

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: Om Parkash

Age: 55

Gender: Male

Address: Lilaram

Area of specialization:

2) Name of the Chairperson: Rajni Devi

Age: 35

Gender: Female

Address: Bhandera

Area of specialization:

3) Name : Babli Devi

Age: 30

Gender: Female

Address: Barwas

Area of specialization:

4) Name : Babli Devi

Age: 32

Gender: Female

Address: Bhutna

Area of specialization:

5) Name : Sunil Kumar

Age: 36

Gender: Male

Address: Bhutna

Area of specialization:

6) Name : Bahsir Ahmad

Age: 38

Gender: Male

Address: Seegath

Area of specialization:

7) Name : Kuldeep Kumar

Age: 29

Gender: Male

Address: Bhandera

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:

3) 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

Annexure5**Details of access to biological resources and traditional knowledge granted, details of the collection fee imposed and details of the benefits derived and the mode of their sharing**

No	Name and address of the Person /institution/ company/ others	Local and Scientific Name of the biological material Accessed and quantity	Date and resolution of the BMC and endorsement by the panchayat	Details of collection fee imposed	Anticipated mode of sharing benefits or quantum of benefits shared

End of Part I

Part II

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. area shown	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 / tamul	Veliyan	Lowland valleys		Plenty	Rare	Tall variety High yield Resistant to drought, pests & diseases	Aug-Sept	Food Fodder Fuel	Provides more energy	Not-known	Local preserved	N.A
Wheat	<i>Triticum</i>	Gundam	Local	Lowland valleys		Plenty	Plenty	-do-	May-June	Food Fodder	Provides more energy	Not-known	Local preserved / Agriculture Deptt.	Locals
Barley	<i>Hordeum vulgare</i>	Jow	Local	Lowland valleys		Plenty	Rare	-do-	May-June	Food Fodder	Provides more energy	Not-known	Local preserved	Locals
Maize	<i>Zea mays</i>	Maki	Local	Lowland valleys		Plenty	Plenty	-do-	Sept-Oct	Food Fodder	Provides more energy	Not-known	Local preserved	Locals
Oat	<i>Avena sativa</i>	Lawn	Local	Lowland valleys		Rare	Plenty	-do-	May-June	Fodder	Provides more energy	Not-known	Local preserved / Agriculture Deptt.	Locals
Beans	<i>Phaseolus vulgaris</i>	Rajmash	Local	Lowland valleys		Plenty	Plenty	Resistant to drought, pests & diseases	Sept-Oct	Food Fodder	Provides more energy	Not-known	Local preserved	Locals

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 (Repining)	Associated TK	Uses	Other details market/ownuse	Community / Knowledge holder
					Past	Present						
Apple	<i>Malus domestica</i>	Saib	Red delicious, Golden delicious, Ambri	Lowland valley / home gardens	Plenty	Plenty	Local preserved / Horticulture Deptt./ Pvt. Nursery	Aug-Sept	Reducing cholesterol, lowering blood sugar level	Nutritious value	Market / own use	Locals
Apricot	<i>Prunus armeniaca</i>	Khubani	Safeda, Qadri	-do-	Plenty	Rare	Local preserved / grafting	June-July	Cures heart diseases	Nutritious value	Market / own use	Locals
Walnut	<i>Juglans regia</i>	Akhroot	Local	Lowland valley / Agricultural land	Plenty	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Reduces prostrate cancer and diabetes	Nutritious value	Market / own use	Locals
Pear	<i>Pyrus</i>	Tang	Babugosha, Moti Daddi, Half red Naak, Misri Tang	-do-	Plenty	Plenty	Local preserved / grafting	Aug-Sept	Uses for mild digestion problems, diarrhea, severe cholera	Nutritious value	Market / own use	Locals
Peach	<i>Prunus armwniaca</i>	Aadu	Local, Shan-e-Punjab, Amba	-do-	Plenty	Rare	Local preserved	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals
Pomegranate	<i>Punica granatum</i>	Anardana	Local wild / Ganesh, Kandhari	-do-	Plenty	Rare	Local preserved	Sept-Oct	Provides more energy	Nutritious value	Market / own use	Locals
Grapes	<i>Vitis vinifera</i>	Angoor	Local / Hybrid	-do-	Rare	Rare	Local preserved	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals

Cucumber	<i>Cucumis sativus</i>	Khira	Local / Hybrid	Agriculture land	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals
Plum	<i>Prunus domestica</i>	Alu Bukhara	Santa Rosa / Local	Agriculture land	Rare	Rare	Local preserved / Seed shops	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals
Quince	<i>Cydonia oblonga</i>	Beehi	Local	Agriculture land	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals

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					
Oak	<i>Quercus ilex</i>	Heru	Lowland / Forest	Plenty	Plenty	Natural propagation	Green leaves as fodder which provides more energy to livestock	Green Leaves	Also used as fuel wood & soil binder	Locals
Robenia	<i>Roninia pseudoacacia</i>	Kikar	Lowland / Forest	Rare	Rare	Natural propagation / Artificial regeneration	-do-	Green Leaves	Also a good soil binder plant	Locals
Ban oak	<i>Aescules indica</i>	Gug	Lowland / Forest	Rare	Rare	Natural propagation / Artificial regeneration	-do-	Green Leaves	Also used as fuel wood	Locals
Ailanthus	<i>Ailanthus altissima</i>	Fak kul	Lowland / Forest	Plenty	Plenty	Natural propagation	-do-	Green Leaves	Also used as fuel wood	Locals
Willow	<i>Salix alba</i>	Ier kul	Lowland / Forest	Plenty	Plenty	Natural propagation / Artificial regeneration	-do-	Green Leaves	Also used as fuel wood	Locals
Fig	<i>Ficus palmate</i>	Figura	Lowland / Forest	Plenty	Rare	Natural propagation	Provides fodder and more energy to livestock	Green / dry Leaves	Fruit edible & also used as fuel wood	Locals
Rice	<i>Oryza sativa</i>	Dhan / tamul	Lowland valleys	Plenty	Rare	Local preserved	Provides fodder and more energy to livestock	Whole plant	Also provides food grains	Locals
Wheat	<i>Triticum</i>	Gundam	Lowland valleys	Plenty	Plenty	Local preserved / Agriculture Deptt.	Provides fodder and more energy to livestock	Whole plant	Also provides food grains	Locals
Barley	<i>Hordeum vulgare</i>	Jow	Lowland valleys	Plenty	Rare	Local preserved	Green & dry plant used as fodder for the livestock	Whole plant	Also provides food grains	Locals
Maize	<i>Zea mays</i>	Maki	Lowland valleys	Plenty	Plenty	Local preserved	Provides fodder and more energy to livestock	Whole plant	Also provides food grains	Locals
Oat	<i>Avena sativa</i>	Lawn	Lowland valleys	Rare	Plenty	Local preserved / Agriculture Deptt.	Green & dry plant used as fodder for the livestock	Whole plant	Fodder crop	Locals

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					
Grass	<i>Parthenium hysterophorus</i>	Congress grass	Every crop even to human	Less growth of affected crop and causes severe itching in humans	Forest / Lowland	Plenty	Plenty	-	Pesticide spraying / plucking out	Causes severe skin problems	Not reported	Locals
Grass	<i>Cynodon dactylon</i>	Drub grass	Every crop	Less growth of affected crop	Forest / Lowland	Plenty	Plenty	Fodder grass	Pesticide spraying / plucking out	Religious purpose	Not reported	Locals
Grass	<i>Murshilea quadrifoliata</i>	Grass	Rice	-do-	Lowland	Plenty	Plenty	-	Pesticide spraying / plucking out	Weed	Not reported	Locals
Grass	<i>Echinochota crus galli</i>	Grass	Rice	-do-	Lowland	Plenty	Plenty	-	Pesticide spraying / plucking out	Weed	Not reported	Locals
Grass	<i>Anagallis arvensis</i>	Grass	Maize	-do-	Lowland	Plenty	Plenty	-	Pesticide spraying / plucking out	Weed	Not reported	Locals
Grass	<i>Lolium temulentum</i>	Rye grass	Wheat	-do-	Lowland	Plenty	Plenty	-	Manual plucking out	Weed adversely affect crop quality	Not reported	Locals
Plant	<i>Malva sylvestris</i>	Sotsal	Vegetables	-do-	Lowland	Plenty	Plenty	-	Manual plucking out	Medicinal use	Not reported	Locals

Plant	<i>Cannabis sativa</i>	Bhang	Every crop	-do-	Forest /Lowland	Plenty	Plenty	-	Manual plucking out	Religious purpose	Making Charas (intoxicating drug)	Locals
Plant	<i>Cardius nutans</i>	Kond posh	Every crop	-do-	Forest /Lowland	Plenty	Plenty	-	Manual plucking out	Weed	Not reported	Locals
Plant	<i>Utrica dioica</i>	Soi	Every crop	-do-	Forest /Lowland	Plenty	Plenty	-	Pesticide spraying / plucking out	Weed	Not reported	Locals
Plant	<i>Mateicaria</i>	Chamomilla	Every crop	-do-	Forest /Lowland	Plenty	Plenty	-	Pesticide spraying / plucking out	Weed	Not reported	Locals

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
Deodar tree	Insect	<i>Ectropis deodarae</i>	Deodar defoliator	On host	July to Oct	Insecticide application	Not reported	Leaf defoliator	-
Kail tree	Insect	<i>Lophodermium macci</i>	Fungal pathogen	On host and fallen needles	July to Oct	Insecticide application	Not reported	Leaf defoliator	-
Fir tree	Insect	<i>Fusarium pallidiriseum</i>	Pathogen	On host and fallen needles	July to Oct	Insecticide application	Not reported	Leaf defoliator	-
Rice	Insect	<i>Order isopteran</i>	Not known	Farm fields	-	Insecticide application	Root feeder	Not known	-
Rice	Insect	<i>Noctuidae pyralidae</i>	Not known	Farm fields	-	Insecticide application	Stem borer	Not known	-
Rice	Insect	<i>Order hemiptera</i>	Not known	Farm fields	-	Insecticide application	Leaf hoppers	Not known	-
Maize	Insect	<i>Helicoverpa</i>	Corn earworm, true wire worm	Farm fields	-	Insecticide application	Leaf damager	Not known	-
Maize	Animal	<i>Rattus norvegicus</i>	Rat	Farm fields	After flowering	Chemical pesticide	Roots and fruit damager	Not known	-
Wheat	Insect	<i>Odontoter misobesus</i>	Termites	Farm fields	Ripening period	Insecticide application	Damages the food grain	Not known	-

Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast/ribe	Social condition	Nature of inhabitants	No. of HHs
General and Scheduled cast and Scheduled tribes	Agriculture	Collection of NTFP, Cattle rearing, Artisans & Govt. Servants	Forest (Hilly terrain) / Agriculture landscape	Agriculture for the purpose of food grains and fodder	Terrace farming	Traditional resource management practices	General / SC	Socially privileged	Most of them do own jobs, economically less privileged	563

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											
Cultivated land	Nil	Nil	Cultivated land		Private/ state land	Cultivate and wild plants	Insects	Villagers		For agri. Purpose			
Non- cultivated land	Nil		Non-cultivated			Herbs	Do	Do					
Irrigator land	Nil	Nil	Irrigated land		Private land	Aquatic plants	Amphibians and insects	Do	Unknown	Agriculture			
Forest land	Nil		Forest land		Forest dept.	Conifers, plants and herbs	Wild animal, birds, insects, reptile etc.		Silviculture management				
Grazing land	Nil		Forest land		Do	NTFP	Do	Locals and bakerwals	Do				

Format-9 : Waterscape.

1	2	3	4	5	6	7	8	9	10	11	12	13
Waterscape Element type	Sub-type	Features and Approx	Owner ship	General Flora	General Fauna	Major uses	User Group	Management Practices	General uses	Associated TK	Other Detail	Community Accessed
Nallah	Macholinalla	Tributary of river Chenab	Govt	Mostly ferns, bryophytes and pteridophytes	Amphibians and insects	Irrigation and drinking	Local population		Irrigation			
	Grataannalla											
	chenab					Hydro projects, drinking						

Format 10: Soil type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil management	Plants / crop suitable	Flora and fauna	Associated TK	Other information
Alluvial soil	Light grey to ash grey color,sandy to loamy in nature	Fertile soil contains sand, slit, clay ,lime and potash	Organic fertilizer	Saffron, wheat, maize	Broad leaved plants herbs and shrubs, insects ,reptiles ,amphibians etc.		
Forest soil	Brown,loamy to clay	10% calcium carbonate	Leaf litters of wild plants	Forest flora ,wheat ,maize	Conifers, broad leaved ,herbs ,shrubs, wild animals, insects, reptiles, amphibian		
(mountain soil)		40% water holding capacity					
Podzolic soil	Gray brown, sandy loamy	PH 7.4 to 8.4,	Waste composite,leaf manure	Wheat, maize, and pulses	Broad leaved plants herbs and shrubs, insects ,reptiles ,amphibians etc.		
		Calcarious 4% to 10%					
		Water holding capacity 30% to 40%					

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 (Repining)	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Apple	Saib	<i>Malus domestica</i>	Red delicious, Golden delicious, Ambri	Lowland valley / home gardens	Rare	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Nutritious value	Reducing cholesterol, lowering blood sugar level	Market / own use	Locals
Apricot	Khubani	<i>Prunus armeniaca</i>	Safeda, Qadri	-do-	Plenty	Rare	Local preserved / grafting	June-July	Nutritious value	Cures heart diseases	Market / own use	Locals
Walnut	Akhroot	<i>Juglans regia</i>	Local	Lowland valley / Agricultural land	Plenty	Plenty	Local preserved / Horticulture Deptt.	Aug-Sept	Nutritious value	Reduces prostrate cancer and diabetes	Market / own use	Locals
Pear	Tang	<i>Pyrus</i>	Babugosha, Moti Daddi, Half red Naak, Misri Tang	-do-	Plenty	Plenty	Local preserved / grafting	Aug-Sept	Nutritious value	Uses for mild digestion problems, diarrhea, severe cholera	Market / own use	Locals
Peach	Aaadu	<i>Prunus armwniaca</i>	Local, Shan-e- Punjab, Amba	-do-	Plenty	Plenty	Local preserved	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals
Pomegranate	Anardana	<i>Punica granatum</i>	Local	-do-	Plenty	Plenty	Local preserved	Sept-Oct	Nutritious value	Provides more energy	Market / own use	Locals
Grapes	Angoor	<i>Vitis vinifera</i>	Local / Hybrid	-do-	Plenty	Plenty	Local preserved	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals
Cucumber	Khira	<i>Curmis sativus</i>	Local / Hybrid	-do-	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals
Plum	Ore	<i>Prunus domestica</i>	Local / Hybrid	-do-	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals
Quince	Beehi	<i>Cydonia oblonga</i>	Local	-do-	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals

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	Location status		Uses (usage)	Part used	Associated Tk	Other details market/ own use	Community Know Holders
						Past	Present					
Tree	Pastul	<i>Taxus baccata</i>	Conifer	Temperate forest	Plenty	rare	Medicinal	Cancer treatment	Bark	Own use	Locals	
Tree	Deodar	<i>Cidrusdeodara</i>	Do	Do	Do	Plenty	Do	Timber/	Stumps	Do	Locals	
								medicinal oil				
Tree	Walnut	<i>Juglans regia</i>	Broad leaved	Low land	Plenty	Plenty	Do	Timber	Bark and fruit	Market use	do	
								/tooth diseases				
Shrubs	Kambli	<i>Berberies lyceum</i>	Thorny bushes	Temperate forest	Plenty	Plenty	Do	Rasaunt as cooing agent of eyes/diabetes	Roots	Extraction through E- tendering	do	
Herb	Dhoop	<i>Jurnia spp.</i>	MFP	Alpine forest	Plenty	Rare	Do	Dhoop making	Roots	Do	do	
Herb	Nagchatri	<i>Trillium govananium</i>	Do	Do	Do	Do	Do	Tumer/sex problem	Do	Do	do	
Herb	Mushqbal	<i>Valarina spp.</i>	Do	Do	Do	Plenty	Do	Epilepsy	Roots	Do	Do	
Herb	Kuth	<i>Sasuralappa</i>	Do	Do	Do	Rare	Do	Ulcer	Roots	Do	do	
Herb	Kour	<i>Picorhizakurroa</i>	Do	Do	Do	Do	Do	Liver problem,	Do	Do	Do	
								fever				
Herb	Zakhm-e- Hayat	<i>Berginia ciliate</i>	DO	Do	Do	Do	DO	Healing purpose	DO	Do	Do	

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
Broad leaved	Chinar	<i>Planitus orientalis</i>	Local	Forest / private nurseries	Non-commercial	Ornamental	Provides cool shade and home for many birds	Dried leaves are used as Kangri fuel	Locals
Evergreen tree	Sarv Kull	<i>Cupressus cashmeriana</i>	Local	Private nurseries	Non-commercial	Ornamental	Provides scenery and beauty of area	Unknown	Locals
Shrub	Gainda	<i>Targetes erecta</i>	Local	Preserved seed	Non-commercial	Ornamental	Provides beauty of home garden	Also used for religious purpose	Locals
Shrub	Gulab	<i>Rosa indica</i>	Local	From cuttings	Non-commercial	Ornamental	Provides beauty of home garden	Also used for religious purpose	Locals
Shrub	Dhaliya	<i>Dahlia pinnata</i>	Local	Rhizomes of flower plant	Non-commercial	Ornamental	Provides beauty of home garden	Also used for religious purpose	Locals

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					
Conifer	Deodar	<i>Cidrus deodar</i>	Temperate forest	Plenty	Plenty	Wild	Medicinal	Provide timber		
Do	Kail	<i>Pinus walichiana</i>	Do	Do	Do	Do	Furniture	Do		
Do	Fir	<i>Abiespindrow</i>	Do	Do	Do	Do	Do	Do		
Broad leaves	Walnut	<i>Juglans rigia</i>	Lowland	Do	Do	Both	Furniture,medicine, agriculture implements	Provide fruits/ timber		
Do	Sheshum	<i>Dalbergia sesso</i>	Do	Do	Do	Do	Furniture	Timber/domestic implements		

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	Bhead	<i>Orisaries</i>	Local	Small size rough coat	Flock rearing	Plenty	Rare	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Sheep	Bhead	<i>Orisaries</i>	Rambouillet cross bread	Large size low body weight	Flock rearing	Rare	Plenty	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Goat	Bakri	<i>Capra hircas</i>	Local	Small size low body weight	Flock rearing	Plenty	Rare	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Goat	Bakri	<i>Capra hircas</i>	Kaghani, bakasooli	Large size high body weight	Flock rearing	Rare	Plenty	Mutton and wool	Yes	Yes	Mutton, wool, manure, bones and hides	Local/Nomads
Cow	Gaay	<i>Bos taures</i>	Local	Cow have hooves on there feet and can weight upto 400 pounds	Flock rearing	Rare	Plenty	Milk, Cow dung	Milk good for health	Yes	High milk production	Local/Nomads
Buffalo	Bhains	<i>Babulas</i>	Local	Dark slab colour less	Domesticate	Plenty	Rare	Milk, Dung	Milk good for health	Yes	High milk production	Local/Nomads
Ox	Bael	<i>Bos spp.</i>	Local	For plugging	Domesticate	Plenty	Rare	For plugging	Use for plugging	Yes	Use for plugging	Local/Nomads
Dog	Kutta	<i>Cains familiaris</i>	Local	Pet	Pet	Rare	Plenty	Guard, hunting dog	Nil	Nil	Nil	Local/Nomads
Cat	Billi	<i>Felis cats</i>	Local	Pet	Pet	Rare	Plenty	Pest control	Nil	Nil	Nil	Local/Nomads

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					
NA	NA	NA	NA	NA	NA	NA	NA	NA	-	NA	NA	NA

Format-17 : Markets/ Fairs for Domesticated Animals, Medicinal Plants and other products.

1	2	3	4	5	6	7	8	9
Name of the Weekly Market/ Fair	Location	Weekly/ Fortnightly & others Bi-annual/ Annual	Day held	Month incase of bi-annual or annual market fair	Types of animal bought and sold	Number of animals (average) transacted in a day	Places from where the animals are arrived	Places to where the animals are transported

-----Nil-----

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	Deodar	<i>Cedrus deodara</i>	Land	Forest	Plenty	Plenty	Its wood is used for the treatment of piles, kidney stones, insomnia, diabetes, urinary disorder etc	Wood	Cedrus oil is often used for its aromatic property	It's has a conic crown with level branches and dropping branch let	Locals
Tree	Kail	<i>Pinus wallichiana</i>	Land	Forest	Plenty	Plenty	Commercial and own use	Wood	Provide durable timber	Conifer plant	Locals
Tree	Fir	<i>Abies pindrow</i>	Land	Temperate forest	Plenty	Plenty	Commercial and own use	Wood	It helps in mitigating the level of anxiety	It help in treating fever, cough and cold	Locals
Tree	Oak	<i>Quercus ilex</i>	Land	Forest/ Private land	Plenty	Plenty	Own uses	Leaves & Wood	Fodder & Fuel wood	Evergreen B.L tree	Locals
Tree	Bren	<i>Alnus villosa</i>	Land	Forest	Plenty	Plenty	Own use	Wood	Fodder and fuel wood	For religious purpose	Locals
Tree	Champ	<i>Alnus nitida</i>	Land	Forest	Plenty	Plenty	Own use	Wood	Fuel wood	Found on riverside	Locals
Tree	Postul	<i>Taxus baccata</i>	Land	Forest	Plenty	Plenty	Own use	Bark	Use for treating common cold, cough and pain	Used in medicine that cures cancer.	Locals
Tree	Zum	<i>Prunus cornuta</i>	Land	Forest	Plenty	Plenty	Own use	Wood	Fuel wood	-	Locals

Tree	Willow	<i>Salix alba</i>	Land	Forest/ Pvt	Plenty	Plenty	Commercial /Own use	Leaves & Wood	Cricket Bat	Fodder	Locals
Herb	Dhoop	<i>Juninea macrocephala</i>	Land	Pasture	Plenty	Plenty	Own use	Root	Dhoop / Agarbati sticks	NTFP	Locals
Herb	Kour	<i>Picrorhiza kurroa</i>	Land	Mountain region	Plenty	Plenty	Own use	Root	Medicinal use	NTFP	Locals
Herb	Bankakri	<i>Podophyllum hexandrum</i>	Land	Mountain region	Plenty	Plenty	Own use	Root	Used for cancer treatment	NTFP	Locals
Herb	Kuth	<i>Saussurea lappa</i>	Land	Mountain region	Plenty	Plenty	Own use	Root	Medicinal use	NTFP	Locals
Herb	Nagchattri	<i>Trillium govanianum</i>	Land	Mountain region	Plenty	Plenty	Own use	Root	Medicinal use	NTFP	Locals
Herb	Krees	<i>Dioscorea deltodea</i>	Land	Mountain region	Plenty	Plenty	Own use	Root	Medicinal use	NTFP	Locals
Shurb	Kaimbli	<i>Berberis lycium</i>	Land	Forest/ private	Plenty	Plenty	Own use	Root	Medicinal use	NTFP	Locals
Grasses	Drhub grass	<i>Cynodon dactylon</i>	Land	Moist and warm climate	Plenty	Plenty	Own use	Branch	Medicinal use	Religious purpose	Locals
Climber	Ivy	<i>Hedera helix</i>	Land	woodland, grassland, town and garden	Plenty	Plenty	Own use	Branch	Medicinal use	Parasite	Locals

Format-19 : Wild Plant Species of Importance.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
1	Krees	<i>Dioscorea deltoidea</i>	NTFP	Economic and social	Rare
2	Belladonna	<i>Atropa accuminata</i>	NTFP	Economic and social	Rare
3	Hund	<i>Taraxacum officinalis</i>	NTFP	Economic and social	Plenty
4	Hamesh bahar	<i>Calendula officinalis</i>	NTFP	Economic and social	Plenty
5	Kajuban	<i>Arrubia benthami</i>	NTFP	Economic and social	Plenty
6	Kulmash	<i>Viburnum cotinifolium</i>	Bush/ Shrub	Social	Plenty
7	Suchal	<i>Melva neglecta</i>	Herb	Social	Plenty
8	Bhang	<i>Cannabis sativa</i>	Herb	Economic and social	Plenty

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				
Frog (Mundak)	<i>Rana tigrana</i>	-	Long very powerful back led and web feet	Pond/river	Plenty	Rare	Important role in food chain	Frog are natures pharmacy and provide a very efficient transfer of solar energy	Maintain food chain and food wed.	Locals
Watercress (Nag Biber)	<i>Nasturtium officinale</i>	Aquatic flowering plant	Rapid growing perennial plant	Pond / watery place	Plenty	Plenty	As vegetable	Oldest known leaf vegetables consumed by human	Its high content of Vitamin C makes it remedy such that particular valuable for chronic illnesses	Locals
Maiden hair (Ghvtheer)	<i>Adiantum caudatum</i>	Aquatic Grass	It is a perennial fern producing fronds	Found in shaded areas	Plenty	Plenty	As vegetable	Rich in vitamin-B	It is used n the treatment of chest infection, cough, diabetes, fever and skin disease	Locals

Format-21 : Wild Aquatic Plant Species of Importance.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Watercress (Nag Biber)	<i>Nasturtium officinale</i>	Aquatic flowering plant	Its high content of Vitamin C makes it remedy such that particular valuable for chronic illnesses	Local used as vegetable
2	Maiden hair (Ghvtbeer)	<i>Adiantum caudatum</i>	Aquatic Grass	It is used n the treatment of chest infection, cough, diabetes, fever and skin disease	local

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	Pastul	<i>Taxus baccata</i>	Conifer	Temperate forest	Plenty	rare	Medicinal	Cancer treatment	Bark	Own use	Locals
Tree	Deodar	<i>Cidrusdeodara</i>	Do	Do	Do	Plenty	Do	Timber/ medicinal oil	Stumps	Do	Locals
Tree	Walnut	<i>Juglans regia</i>	Broad leaved	Low land	Plenty	Plenty	Do	Timber/tooth diseases	Bark and fruit	Market use	do
Shrubs	Kambli	<i>Berberies lyceum</i>	Thorny bushes	Temperate forest	Plenty	Plenty	Do	Rasaunt as cooing agent of eyes/diabetes	Roots	Extraction through E- tendering	do
Herb	Dhoop	<i>Jurnia spp.</i>	MFP	Alpine forest	Plenty	Rare	Do	Dhoop making	Roots	Do	do
Herb	Nagchatri	<i>Trillium govananium</i>	Do	Do	Do	Do	Do	Tumer/sex problem	Do	Do	do
Herb	Mushqbala	<i>Valarina spp.</i>	Do	Do	Do	Plenty	Do	Epilepsy	Roots	Do	Do
Herb	Kuth	<i>Sasuralappa</i>	Do	Do	Do	Rare	Do	Ulcer	Roots	Do	do
Herb	Kour	<i>Picorhizakurroa</i>	Do	Do	Do	Do	Do	Liver problem, fever	Do	Do	Do
Herb	Zakhm-e-Hayat	<i>Berginia ciliate</i>	DO	Do	Do	Do	DO	Healing purpose	DO	Do	Do

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					
Datura	<i>Datura stramonium</i>	Apple, pear, all domestic crops	Low land valley/wild	Plenty	Plenty	Asthama	Leaves	Fruit, leaves & flowers are offered to Lord Shiva	Weed / Medicinal use	Local
Hund	<i>Taraxacum officinale</i>	Agricultural crop	Mountainous region/ Low land valley	Plenty	Plenty	Food	Leaves	Medicinal value	Used as vegetable	Local
Sochal	<i>Malva neglecta</i>	Agricultural crop	Mountainous region/ Low land valley	Plenty	Rare	Food	Leaves	Medicinal value	Used as vegetable	Local

Format 24: OrnamentalPlants

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
Chinar	<i>Plantanus orientalis</i>	Broad leave	Govt./ private premises	Non-commercial	Provide cool shade and home for many birds	Leaves are used as kangri fuel	Locals
Sarva kull	<i>Cupressus cashmeriana</i>	Kashmiri cypress	Govt./ private premises	Non-commercial	Ornamental plant	Provides scenery/beauty of the area	Locals
Safeda	<i>Populus</i>	Populus	Govt./ private premises	Commercial	Provides scenery/beauty of the area	Used in fruit packing industries	Locals
Gainda	<i>Tagetes erecta</i>	Local/wild	Home Garden	Non-commercial	Ornamental	Religious	Locals
Gulab	<i>Rose indica</i>	Local /wild	Home Garden	Non-commercial	Ornamental	Religious	Locals
Daliya	<i>Dahlia pinnata</i>	Local home plant	Home Garden	Non-commercial	Ornamental	Religious	Locals

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>	Perennial herb	Homestead agricultural land	Plenty	Plenty	Spice and mint	Leaves	Locals use it in making Chatni / spices	Cooling agent and used in Ayush medicines	Locals
Herb	Methi	<i>Trigonella foenum-graecum</i>	Annual plant	-do-	Plenty	Plenty	Spice	Leaves	Used as spice	Leaves are used in food / spice	Locals
Herb	Sauf	<i>Foeniculum vulgare</i>	Harely perennial herb	-do-	Plenty	Plenty	Spice and chewing	Seed	Useful in digestion	Used as spice and medicine	Locals
Herb	Thom	<i>Allium sativum</i>	Perennial plant	-do-	Plenty	Plenty	Spice	Bulb	Provides more tasty food	Bulb is used as raw or cooked	Locals
Herb	Adrak	<i>Zingiber officinale</i>	Perennial plant	-do-	Plenty	Plenty	Spice	Rhizome roots	Widely used as spice	Used in spices and in medicines	locals

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				
Deodar	<i>cedrus deodar</i>	Temperate forest	Plenty	Plenty	Wild	Medicinal	Provide timber	
Kail	<i>Pinus walichiana</i>	Temperate forest	Plenty	Plenty	Wild	Furniture	Provide timber	
Fir	<i>Abiespindrow</i>	Temperate forest	Plenty	Plenty	Wild	Furniture	Provide timber	
Walnut	<i>Juglans rigia</i>	Lowland	Plenty	Plenty	Both	Furniture, medicine, agriculture implements	Provide fruits/timber	
			Plenty	Plenty				
Sheshum	<i>Dalbergiasesso</i>	Lowland	Plenty	Plenty	Both	Furniture	Timber/domestic implements	

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.)

Note: Separate format should be used for road side plantation / Parks and Gardens / Housing estate / Commercial buildings/ other institutional areas, Private club premises and also for Aquatic (water) habitat and Terrestrial (land) habitat

Format 30: Fauna

1	2	3	4	5	6
Sr. No.	Local Name	Scientific Name	Type of Animals (Mammals / Birds / Fish / Insect etc.)	Habitat	Remarks (Rare / Common etc.)

Format-31 : Any other information of local importance.

1	2	3
S. No.	Information of local importance	Remarks

End of Part II