

Biodiversity Register (PBR): General Details**Name of the Panchayat Samity: LACHDAYARAM A****Taluk:KISHTWAR****District: Kishtwar****UT: Jammu & Kashmir****Geographical Area of the Panchayat Samity:****Population under the Panchayat Samity: Total 1747****Male: 873 Female: 874****Habitat and Topography: Hilly terrain****Climate (Rainfall, Temperature and other weather patterns) Land Use (Nine fold classification available with village records) Irrigated area : Nil****Management Regime: Reserve Forests (RF) / Joint Forest Management (JFM) / Protected Areas (PA) / Community Owned and Managed Forests (COM)**

End of Part Ist

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: Gh HUSSAIN S/O LASSA
Age: 45 years
Gender: Male
Address: HULLAR
Area of specialization: Agricultural
2) Name: MANOJ KUMAR S/O SWAMI RAJ
Age: 30 Years
Gender: Male
Address: POOHIE
Area of specialization: Agricultural
3)Name: AZIZI MOHD SO GH MOHD
Age: 42 years
Gender: Male
Address: HULLAR
Area of specialization: AGRICULTURE
4)Name: FIDDA HUSSAIN
Age: 30 years
Gender: FEMALE
Address: HUNJALA
Area of specialization: AGRICULTURE
5)Name: Sh. AISTA BEGUM
Age: 29 years
Gender: FEMALE
Address: HULLAR
Area of specialization: Housewife

Annexure 2

List of <i>Vaids, hakims</i> and traditional health care (human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village
Name: BASHIR AHMED KANTH
Age: 655 years
Gender: Male
Address: HULLAR
Area of Specialization: HEALTH
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status: Medicinal use:
Name: MOHD SADIQ BUTT
Age: 36 Years
Gender: Male
Address: POOHIE
Area of Specialization: HEALTH
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status: Medicinal use:
Name: MOHD AKBAR
Age: 70 years
Gender: Male
Address: HULLAR
Area of Specialization: Vaid
Location from which the person accesses biological material: Forest
Perception of the practitioner on the resource status: Medicinal use:

Annexure 3

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

Name: MOHD AKBAR BAGWAN S/O WALI BAGWAN

Age: 67 years

Gender: Male

Address: HUNJALA

Area : AGRICULTUER SPECIALIST

Name: AZIZ MOHD S/O RUSTUM BAGWAN

Age: 80 years

Gender: MALE

Address: HULLAR

Area of specialization: AGRICULTURE

Name: BASHIR AHMED S/O MOHD BAGWAN

Age: 68 years

Gender: Male

Address: LOWER HULLAR

Area of specialization FOREST:

Name: MOHD AYUB GIRI

Age: 55 years

Gender: Male

Address: HULLAR

Area of specialization FORESTRY

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: SHAHNAWAZ HUSSAIN S/O GHULAM RASOOL KANTH
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Name and Address: HULLAR 7298097018

2) Contact Person : NAFEEZ AHMED S/O MOHD IQBAL

Name and Address: LOWER HULLAR 98580047065
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3) Contact Person: IQLAKH HUSSAIN S/O ABDUL RASHID
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Name and Address: HULLAR 9858131710

3) Contact Person: SAMEER AHMED S/O GHULAM QADIR
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Name and Address: HULLAR 7006319569

Annexure 5

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
	NIL	NIL	NIL	NIL	NIL

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							
Wheat	<i>Triticum</i>	Gundam	Local	Lowland valleys	56.7	Plenty	Plenty	Grown for seed	May-June	Food Fodder	Provides more energy	Not-known	Local preserved / Agriculture Deptt.	Locals
Barley	<i>Hordeum vulgare</i>	Jow	Local	Lowland valleys	57.4	Plenty	Rare	Used in breads stews	May-June	Food Fodder	Provides more energy	Not-known	Local preserved	Locals
Maize	<i>Zea mays</i>	Maki	Local	Lowland valleys	15.25	Plenty	Plenty	used as cereal grain	Sept-Oct	Food Fodder	Provides more energy	Not-known	Local preserved	Locals
Oat	<i>Avena sativa</i>	Lawn	Local	Lowland valleys	10.35	Rare	Plenty	Sooth skin conditions	May-June	Fodder	Provides more energy	Not-known	Local preserved / Agriculture Deptt.	Locals
Beans	<i>Phaseolus vulgaris</i>	Rajmash	Local	Lowland valleys	25.2	Plenty	Plenty	Resistant to drought, pests & diseases	Sept-Oct	Food Fodder	Provides more energy	Not-known	Local preserved	Locals
SAFROON	CROCUS	KUNG	LOCAL	TEMPERATE	5 Ha	normal	normal	survives under low	rabi	speices , medical etc	well drained low rainfall area	Not-known	farmed saved seeds	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 prostate 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	Plenty	Local preserved	Aug-Sept	Provides more energy	Nutritious value	Market / own use	Locals
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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					
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
JWAR	<i>SORGHUM BICHOLOUR</i>	GHAS	TEPERATE AND INTERMEDIATE	NORMAL	NORMAL	FARMERS SAVED SEEDS / DEPARTMENTAL SUPPLY	PREFFERED BY MILCH ANIMALS	ABOVE GROUND PORTION OF PART	NIL	FARMING COMMUNMITY

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>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>Lolium temulentum</i>	Rye grass	Wheat	-do-	Lowland	Plenty	Plenty	Fodder grass	Manual plucking out	Weed adversely affect crop quality	Not reported	Locals
Plant	<i>Malva sylvestris</i>	Sotsal	Vegetables	-do-	Lowland	Plenty	Plenty	Used as vegetables	Manual plucking out	Medicinal use	Not reported	Locals
Plant	<i>Cannabis sativa</i>	Bhang	Every crop	-do-	Forest /Lowland	Plenty	Plenty	used as Dry	Manual plucking out	Religious purpose	Making Charas (intoxicating drug)	Locals
Plant	<i>Cardius nutans</i>	Kond posh	Every crop	-do-	Forest /Lowland	Plenty	Plenty	used as fodder	Manual plucking out	Weed	Not reported	Locals
Plant	<i>Utrica dioica</i>	Soi	Every crop	-do-	Forest /Lowland	Plenty	Plenty	used as fodder	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
Maize	Insect	<i>Helicoverpa</i>	Corn earworm, true wire worm	Farm fields	July to august	Insecticide application	Leaf damager	Not known	Locals
Maize	Animal	<i>Rattus norvegicus</i>	Rat	Farm fields	After flowering	Chemical pesticide	Roots and fruit damager	Not known	Locals
MASH	WHITE FLY	<i>VEMISA TABSCLL</i>	CHITTI MAKHI	MASH FIELD	JULY AGUST	Insecticide application	Damages the food grain	Not known	Locals

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) / Biannual (M) / Annual (M)	Types of animals bought and sold	Types and Average Number of animals transacted in a day	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
	[1]	[2]						
KISHTWAR	WEEKLY.	LOCAL	15	LOCAL	KISHTWAR	N/A	N/A	N/A

Format 7: Peoplescape

1	2	3	4	5	6	7	8	9	10	11
Community & Population	Families & Major occupation	Sub- occupation	Depending Landscape	Major resources accessed and seasons of access	Landscape management practices	Resource management practices	Cast/ tribe	Social condition	Nature of inhabitants	No. of HHs
1747 - Hindu and Muslim	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	-

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	nil	nil	Mountance	Rockey/ sandy land	AGRICULTURAL LAND / PROVATELY OWNED	Deodar	Leopard	Local Inhabitants	Self management	cultivation	Indigenous knowledge of local communities	---	---
						Kail	Black bear						
						Fir	Monkey						
						Spruce	Jackal						
						Champ	Wild goat						
						Annar	Fox						
						Akhroot	Wild cat						
						Nagchhatri	Lizard						
						Appricot	Snake						
						Heru	Pigeon						
						Mohru	House Sparrow						
						Kiker	Sparrow						
						Mushkapoor	Crow						
						Muchakballa	Spider						
Guchhies	Butterfly												

					Kour	Bee						
					Bankhoor	Mosquito						
					Kumlaie	Partridge						
					Phrast	Bulbul						

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
River	Nil	Nil	nil	Mostly planktons, ferns, bryophytes & pteridophytes	Snow Trout, Amphibians, trout fish etc.	Hydroelectric projects and for irrigation purpose	Panchayat villages	Unknown	Hydroelectric projects and for irrigation purpose	Unknown	Unknown	Panchayat villagers

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
Clay soil and sandy loamy soil	Grayish, brown, small grained mixture	Does not retain water frequent irrigation	Recharged with leaf manure, animal waste compost	Conifer plants, broad leaved plants, Fruit plants, NTFP species, Wheat, barley, maize, rice and some seasonal vegetables.	Domesticated /wild plants and animals	Provides good quality of timber, fuelwood, NTFP, food and fodder	-

Format 11: Fruit Trees

DOMESTICATED BIODIVERSITY

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 prostate 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
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	Cydonia oblonga	Local	-do-	Plenty	Plenty	Local preserved / Seed shops	Aug-Sept	Nutritious value	Provides more energy	Market / own use	Locals
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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 use	Community/ Know. Holders
						Past	Present					
Herb	Patrees	<i>Aconitum heterophyllum</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Tubers are used medicinally as tonic	Tubers	Used in various Ayurvedic formulations	Own use	Locals
Herb	Balladona	<i>Atropa accuminata</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Roots and leaves are anti-asthmatic	Leaves and roots	Used in various Ayurvedic formulations	Own use	Locals and Bakerwals
Shrub	Khumlai	<i>Berberis lycium</i>	Wild (NTFP)	Lowlands / forests	Naturally grown	Plenty	Plenty	Rasaunt as cooling agent	Roots	Used in various Ayurvedic formulations	Own use	Locals and Bakerwals
Herb	Kaur	<i>Picorhiza kurrooa</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Tonic and rheumatism	Roots	Ayurvedic formulations	Own use	Locals and Bakerwals
Herb	Bankakri	<i>Podophyllum hexandrum</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Cancer treatment	Roots	Ayurvedic formulations	Own use	Locals and Bakerwals
Herb	Nagchattri	<i>Trillium govatanium</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Roots yield diosgenin on hydrolysis	Roots	Used in various Ayurvedic formulations	Own use	Locals and Bakerwals
Herb	Zakhme hayat	<i>Bergenia ciliate</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Massage to cure body	Roots	Kidney stone and wound healing	Own use	Locals and Bakerwals

Plant	Postul	<i>Taxus baccata</i>	Wild (NTFP)	Alpine forest	Naturally grown	Plenty	Rare	Cancer treatment	Bark and leaves	Used in tea by locals	Own use	Locals and Bakerwals
Herb	Seski	<i>Artemisia martina</i>	Wild (NTFP)	Lowland / forests	Naturally grown	Plenty	Plenty	Used in stomach pain	Leaves	Ayurvedic formulations	Own use	Locals and Bakerwals

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
MARIEGOLD	MARIEGOLD	<i>MARIEGOLD</i>	4 SEED	SEED	commercial	Ornamental	NIL	NIL	NIL
LANVINDER	LANVINDER	<i>LANVINDER</i>	4 SEED	SEED	commercial	Ornamental	NIL	NIL	NIL

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	Dair	<i>Cedrus deodara</i>	Forests	Plenty	Plenty	Wild	Cedrus oil is used as a treatment of piles, kidney stone and diabetes etc.	Provides durable timber, fuelwood and for religious purpose	Evergreen tree having a conic crown with level dropping branches like X-mass tree	Locals
Conifer	Kail	<i>Pinus wallichiana</i>	Forests	Plenty	Plenty	Wild	Timber and furniture	Provides durable timber & fuelwood	Evergreen tree native to the Himalaya, Karakoram and Hindukush mountain	Locals
Conifer	Fir	<i>Abies pindrow</i>	Forests	Plenty	Plenty	Wild	Timber and furniture	It helps in treating fever, cough and cold. Provides timber and furniture for houses.	Evergreen tree growing to 40-60 m tall with conical crown and level branches	Locals

Broad leaved	Akhroot	<i>Juglans regia</i>	Private land / Forest	Plenty	Plenty	Wild / home garden	Furniture / agricultural implements	Walnut used as nutritious fruit. Its bark and leaves as well as the husk of seeds are used in different medicines and dyes	Deciduous tree	locals
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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

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	Bankakri	<i>Podophyllum hexandrum</i>	Land	Mountain region	Plenty	Plenty	Own use	Root	Used for cancer treatment	NTFP	Locals
Herb	Nagchattri	<i>Trillium govanianum</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
Sl. No.	Local Name	Scientific Name	Variety	Importance (as economic, social, cultural etc.)	Status
2	Kour	<i>Picrorhiza kurrooa</i>	NTFP	Economic and social	Rare
3	Bankakri	<i>Podophyllum hexandrum</i>	NTFP	Economic and social	Rare
5	Nagchattri	<i>Trillium govanianum</i>	NTFP	Economic and social	Rare
7	Belladonna	<i>Atropa accuminata</i>	NTFP	Economic and social	Rare
9	Choria	<i>Angelica glauca</i>	NTFP	Economic and social	Rare
10	Hund	<i>Taraxacum officinalis</i>	NTFP	Economic and social	Plenty
11	Hamesh bahar	<i>Calendula officinalis</i>	NTFP	Economic and social	Plenty
12	Kajuban	<i>Arrubia benthami</i>	NTFP	Economic and social	Plenty
13	Kulmash	<i>Viburnum cotinifolium</i>	Bush/ Shrub	Social	Plenty
14	Neel kanth	<i>Ajuga bracteosa</i>	Herb	Social	Plenty
15	Suchal	<i>Melva neglecta</i>	Herb	Social	Plenty
16	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
EARTH WARM	<i>LUMBRICINA</i>	SEGMENTED BODY	Cylindrical with both profile, arched, rounded abdomen, head large and pointed snoul anteriority, lower lip with a free posterior edge forming a natural sucker, herbels present, one each on maxillary and roaster	Cold Pockets, snow fed areas	Plenty	Plenty	MAKES SOIL FERTILE	NIL	NIL	NIL

DRAGON FLY	<i>JAHAZ</i>	NIL	LARGE BODY AND FACE	Found in shaded areas	Plenty	Plenty	TRANSPORTATION OF POLLEN GRAINS	NIL	NIL	NIL
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Format 21: Wild Aquatic Plant Species of Importance

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

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	Deodar	<i>Cedrus deodara</i>	Conifer	Temperate forest	Plenty	Plenty	Timber for religious purpose	Timber	Wood	Own use	Locals
Tree	Postul	<i>Taxus baccata</i>	Conifer	Temperate forest	Plenty	Plenty	Medicine used for cancer treatment	Cancer treatment	Bark	Own use	Locals
Herb	Kour	<i>Picrorhiza kurrooa</i>	NTFP	Alpine forest	Plenty	Rare	Medicinal use	Tonic and rheumatism	Root	Own use	Locals
Herb	Bankakri	<i>Podophyllum hexandrum</i>	NTFP	Alpine forest	Plenty	Rare	Medicinal use	Cancer treatment	Roots	Own use	Locals
Herb	Nagchettri	<i>Trillium govianum</i>	NTFP	Alpine forest	Plenty	Rare	Medicinal use	Root yield diosgenin hydrolysis	Root	Own use	Locals
Herb	Belladonna	<i>Atropa accuminata</i>	NTFP	Alpine forest	Plenty	Rare	Medicinal use	Anti asthmatic	Roots and leaves	Own use	Locals
Shrub	Khumli	<i>Berberus lycium</i>	Thorny shrub	Temperate forest	Plenty	Rare	Medicinal use and for brush wood fencing	Rasaunt as cooling as agent of eyes	Root & leaves	Own use	Locals
Herb	Zakhme hayat	<i>Berginia ciliate</i>	NTFP	Alpine forest	Plenty	Rare	Medicinal use	Bone healing, diarrhea and vomiting	Root	Own use	Locals

Format 23: Wild relatives ofCrops

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
JUNGLI PALK	<i>RI,EXDEMTATIS</i>	PALAL LEAVES	Low land valley/wild	Plenty	Rare	LEAVES	Leaves	Medicinal value	Exotic plant used as vegetable	Local
WHEAT	<i>TRITICUMM ONOCOCUM</i>	SEED	Low land valley/wild	Plenty	Plenty	Food	Leaves	Medicinal value	Used as vegetable	Local
WILD ALOO	<i>SOLONAM CHACOERSE</i>	Agricultural crop	Mountainous region/ Low land valley	Plenty	Rare	Food	Leaves	Medicinal value	Used as vegetable	Local
CHAMMBAR	<i>ARTEMESIA ROXBPRGLI</i>	Agricultural crop	Low land valley/wild	Plenty	Plenty	Stomach diseases	Leaves	Used in stomach pain	NTFP / medicinal use	Local

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
MARI GOLD	<i>MARIGOLD</i>	Broad leave	Govt./ private premises	COMMERCIAL	NIL	NIL	NIL
LAVANDER	<i>LAVANDER</i>	Kashmiri cypress	Govt./ private premises	COMMERCIAL	NIL	NIL	NIL

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
TREE	DOUNKUL	<i>JUGLANS REGIA</i>	WILD	HOME GROUND	Plenty	Plenty	MEDICINE	BARK	CLEASING TEETH	NIL	Locals
Herb	BHANG	<i>CANNABIS SATIVE</i>	WILD	-do-	Plenty	Plenty	FUMIGATE	LEAVES	FUMIGATE	NIL	locals
TREE	Kiker	<i>Vanchellia Nilotica</i>	WILD	Temperate	Plenty	Plenty	FUMIGATE	Bark	CLEASING TEETH	NIL	locals
TREE	Heru	<i>Quercus</i>	WILD	Temperate	Plenty	Plenty	FUMIGATE	BARK	Cleaning teech	NIL	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 deodara</i>	Temperate forest	Plenty	Plenty	Religious purpose	Provide durable timber	Soft wood timber	Local
Kail	<i>Pinus walichiana</i>	Forest	Plenty	Plenty	Furniture and fruit packing	Provide durable timber	Soft wood timber	Local
Fir	<i>Abies pindrow</i>	Forest	Plenty	Plenty	Fruit packing industries	Providing good timber	Soft wood timber	Local
Supruce	<i>Picea smithiana</i>	Forest	Plenty	Rare	fruit packing industries	Provide good timber	Soft wood timber	Local
Akhroot	<i>Juglans regia</i>	Private/ Forest	Plenty	Plenty	Fruit and furniture	Provide good timber / fruit	Hard wood	Local
Popular	<i>Populous ciliata</i>	Private/ Forest	Plenty	Plenty	Packing industries	Provide good timber	Hard wood	Local

Format 28: Wild Animals (Mammals, Birds, Reptiles, Amphibian, 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					
Mammals	Langur	<i>Semnopithecus entellus</i>	Forest	Natural habitat	Summer	Plenty	Rare	-	Maintaining ecological balance	Nil	-	Local
	Himaliyan Black bear	<i>Ursus thibetanus</i>	Forest	Natural habitat	Summer	Plenty	Rare	-	-do-	Nil	-	Local
	Jackal	<i>Canis aureus</i>	Forest	Natural habitat	Summer	Plenty	Plenty	-	-do-	Nil	-	Local
	Jungli cat	<i>Felis chaus</i>	Forest	Natural habitat	Summer	Plenty	Rare	-	-do-	Nil	-	Local
	Leopard	<i>Panthera pardus</i>	Forest	Natural habitat	Summer	Plenty	Plenty	-	-do-	Nil	-	Local
	Snow leopard	<i>Uncia uncia</i>	Forest	Natural habitat	Winter	Plenty	Rare	-	-do-	Nil	-	Local
	Himaliyan mouse hare	<i>Ochotona roylei</i>	Forest	Natural habitat	Winter	Plenty	Plenty	-	-do-	Nil	-	Local
	Alpine accentor	<i>Prunella collaris</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local

Birds	House crow	<i>Corvus splendens</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	House sparrow	<i>Passer domesticus</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	Griffen Vulture	<i>Gyps fulvus</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	Black tit	<i>Parus rufonuchalis</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	Blue rock pigeon	<i>Columba livia</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	Common maina	<i>Acridotheres tristis</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	Commom cuckoo	<i>Cuculus canorus</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local
	Chukar	<i>Akectirus chukar</i>	Forest	Natural habitat	Throughout year	Plenty	Plenty	-	-do-	Nil	-	Local

Format 29: Flora

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1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
NA	NA	NA	NA	NA	NA	NA

Format-30 : Fauna.

1	2	3	4	5	6
S. No.	Local Name	Scientific Name	Type of Animals (Mammals/ Birds/ Fish/ Insect etc.)	Habitat	Remarks (Rare/ Common etc.)
1	Leopard	<i>Panthera pardus</i>	Mammal	Forest	Rare
2	Jackal	<i>Canis aureus</i>	Mammal	Forest	Common
3	Black bear	<i>Ursus americanus</i>	Mammal	Forest	Rare
4	Shail/ Porcupine	<i>Hystrix indica</i>	Mammal	Forest	Rare
5	Chuha/Rate	<i>Mus booduga</i>	Mammal	Home/forest	Common
6	Wild shawl	<i>Nudibranchs</i>	Mammal	Home/forest	Rare
7	Wild goat	<i>Capra aegagrus</i>	Mammal	Home/forest	Rare
8	Wild dog	<i>Lycaon pictus</i>	Mammal	Home/forest	Rare
9	Wild fox	<i>Vulpes vulpes</i>	Mammal	Home/forest	Common
10	Wild cat	<i>Felis silvestris</i>	Mammal	Home/forest	Common
11	Chakor	<i>Alectoris chukar</i>	Bird	Home/forest	Rare
13	parrot	<i>Psittaciformes</i>	Bird	Every where	Rare
14	Pigeon	<i>Columbidae</i>	Bird	Every where	Rare
15	House Sparrow	<i>Passer domesticus</i>	Bird	Every where	Rare
16	Sparrow	<i>Passer domesticus</i>	Bird	Every where	Rare
17	crow	<i>Corvus</i>	Bird	Every where	Rare
19	Bearded Vulture	<i>Gypaetus barbatus</i>	Bird	AS, RO, AE	Rear
20	Black Kite	<i>Milvus migrans</i>	Bird	GD, PC, FD, AE	Rear
21	Black- eared Kite	<i>Milvus [migrans] lineatus</i>	Bird	GD, AE	Summer Visitors
22	Bonelli's Eagle	<i>Aquila fasciata</i>	Bird	AE, OH	Winter Visitors
23	Booted Eagle	<i>Hieraaetus pennatus</i>	Bird	PS, AE, RO	Winter Visitors
24	Cinereous vulture	<i>Aegypius monachus</i>	Bird	TB, OH, AE	Winter Visitors
25	Eastern Imperial Eagle	<i>Aquila heliaca</i>	Bird	TC, OH, AE	Winter Visitors
26	Egyptian Vulture	<i>Neophron percnopterus</i>	Bird	GD, AE, FD	Summer Visitors

Format 31: Any other information of local importance

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