

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti: Latti A

Taluk: Latti

District: Udhampur

State: JK UT

Geographical Area of the Panchayat Samiti: 1025.4 Hac.

Population under the Panchayat Samiti: Total 2442

Male: 1254

Female:- 1188

Habitat and Topography: Hilly

Climate (Rainfall, Temperature and weather patterns): Seasonal Climate

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation: 17/08/2020

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

Annexure 1

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

1)Name of the Chairperson: Kasturi Lal Gupta

Age: 63

Gender: Male

Address: Ward No.4, Latti, Tehsil Latti(M.No6006056466)

Area of specialization: Sarpanch

2) Name: Sandlan Devi

Age: 50

Gender: Female

Address: Ward No.1 Latha Slog, Tehsil Latti

Area of specialization: Social Worker

3)Name: Kubra Begum

Age: 58

Gender: Female

Address: Ward No.2, Bari ,Tehsil Latti

Area of specialization: Social Worker

4)Name: Romalu Ram

Age: 78

Gender: Male

Address: Ward No.3, Latti Khas

Area of specialization: Expert in fixing of dislocate joints/bones

5)Name: Mohd Aslam

Age: 59

Gender: Male

Address: Ward No.5, Lowe Dhoona

Area of specialization: Well Aware About local flora and Fauna and their use

6)Name: Munshi Ram
Age: 65
Gender: Male
Address: Ward No.7 Pouna, Latti-A
Area of specialization: Well versed with vedic Knowledge and flora and fauna
7)Name: Madan Lal
Age: 59
Gender: Male
Address: Forest office Latti
Area of specialization: Forester, Secretary

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: Romesh Kumar S/o Late Sh. Ved Parkash

Age: 48yrs

Gender: Male

Address: Latti-A

Area of specialization: Ayurveda

Location from which the person accesses biological material: Sheoj Dhar, Thaphadi, Kaloon Galla

Perception of the practitioner on the resource status: Vaid/Hakim well versed with anicient knowledge to cure various diseses

Medicinal Use:

2) Name: Romalu Ram S/o Sant Ram

Age: 78 yrs

Gender: Male

Address: Ward No.3, Latti-A

Area of specialization: Fixing of Dislocated Joint and Bones

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

3) Name: Mohd Aslam wani S/o Mohd Amin

Age: 58 yrs

Gender: Male

Address: Ward No.5, Latti-A

Area of specialization: Collection and supplier Plants and their fruits having medicinal value

Location from which the person accesses biological material: Sheoj Dhar, Dulshetra, Padri Top etc

Perception of the practitioner on the resource status:

Medicinal Use:

Annexure 3

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

1) Name of the Chairperson: Bhagat Ram S/o Gulabu

Age: 80 yrs

Gender: Male

Address: Ward No.3, Latti-A

Area of specialization: Fisheries

2) Name of the Chairperson: Om Parkash S/o Shunnu

Age: 53 yrs

Gender: Male

Address: Ward No.3, Latti-A

Area of specialization: Well versed with Forest produce

3) Name of the Chairperson: Bashir Ahmed Bhatt S/o Mohd. Din

Age: 75 years

Gender: Male

Address: Latti-A

Area of specialization: Horticulture

4) Name of the Chairperson: Mohd. Akram S/o Najir Ahmed

Age: 38 years

Gender: Male

Address: Ward No.2, Latti-A

Area of specialization: Fisheries

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:** 9797571077

Name and Address: Girdari Lal, Secy Pyt Latti-A

2) **Contact Person:** 9858200900

Name and Address: Madan Lal, Forester

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

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>	Ghaan	Gija	Hilly / Terrain	1	Rare	Rare							
Maize	<i>Zea mays</i>	Makka	Hybrid & Local	Hilly / Terrain	76	Plenty	Plenty							
Wheat	<i>Triticum</i>	Kanak	Hybrid & Local	Hilly / Terrain	8	Plenty	Normal							
Mustured	<i>Brassica juncea</i>	Sarsoo	KOS-1	Hilly / Terrain	6	Normal	Normal							
Moong	<i>Vigna radata</i>	Mung	Desi	Hilly / Terrain	2	Normal	Rare							
Mash	<i>Vigna mungo</i>	Maa	Desi	Hilly / Terrain	2	Normal	Rare							
Kidney Beans	<i>Phaselous vulgaris</i>	Rajmaa	Desi	Hilly / Terrain	3	Normal	Rare							
Pea	<i>Pisum sativa</i>	Matar	Arkel / Local	Hilly / Terrain	2.0	Normal	Rare							
Potato	<i>Solanum tuberosum</i>	Aloo	K- Sandoori / K Badsha	Hilly / Terrain	3	Normal	Rare							

Formar 2:- Fruits 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						
Apple.	<i>Malus domestica</i>	Saib, Saecu.	Red Delicious, Golden Delicious, Maharaji.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Pear.	<i>Pyrus communis.</i>	Baghugosha/ Nakh.	Baghugosha / Pather Nakh.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Peach.	<i>Prunus persica.</i>	Aarohu.	FLA-17, Desi.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Walnut.	<i>Juglans regia.</i>	Akhrode.	Kagzi Selection, Hardshell (Batta)	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Apricot.	<i>Prunus armeniaca.</i>	Khumani.	Vebeo, Harcott, Quadri, Desi (Sari).	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Plum.	<i>Prunus salicina.</i>	Aloo bukhara.	Santa Rosa, Satsuma, Mariposa.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes

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					
Maize	<i>Zea mays</i>	Makki	Hilly	Plenty	Plenty	Farmers/ Deptt	Nutritious & Palatable fodder	Above ground part	Fodder	Farmers
Bajra	<i>Pennisetum glaucum</i>	Bajra	Hilly	Plenty	Plenty	Farmers/ Deptt	Source of energy for animals	Above ground part	Fodder	Farmers
Banj	<i>Quercus incana</i>	Banj	Hilly	Plenty	Plenty	Farmers/ Deptt	Source of energy for animals	Leaves are used as fodder	Fodder	Farmers
Local grass		Local grass	Hilly	Plenty	Plenty	Farmers/ Deptt	Source of energy for animals	Leaves are used as fodder	Fodder	Farmers

Other details include fodder for which animal, special features, medicinal uses if any, seasons of availability, propagation methods, collecting from wild or cultivated etc.

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					
Stinging nettle	<i>Urtica dioica</i>	Shadder	Maize		Hilly	Plenty	Plenty			Agri & waste mgt.	-	Farmers
Wild Rice	<i>Echinochloa colonum</i>	Swanki	Paddy		Hilly	Plenty	Plenty			Agri & waste mgt.	-	Farmers

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

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
Apple, Pear & Other deciduous fruit trees.	Sanjose Scale.	<i>Quadraspidiotus perniciosus</i>	Scale	Temperate Fruit Trees	March-April.	Spray during dormancy with diesel oil emulsion @2-3% in the month of January-February & apply any systemic insecticide in summer season.	No	Causes damage upto 30-40% in production.	Yes
Apple	Wooly Apple Aphid	<i>Eriosoma lanigerum</i>	Ruae walla keeda	-do-	July-August.	Spray of Methyl-o-dimeton @100ml/ 100Ltr water or Chloropyriphas at petal fall stage.	No	Causes damage upto 25-50% in production.	Yes
Apple & Other Fruit Trees, willow, poplar trees.	Hairy caterpillar	<i>Lymantria obfuscata.</i>	Paghu kuta	Polyphagous pests	May-June	Strapping burlap skirts around tree trunks & collection / destruction of larve-May-June. Spray Chloropyriphos @100ml / 100 Ltr water after petal fall.	No	Causes damage upto 5-10% in production.	Yes
Apple & Other Fruit Trees.	Stemborer	<i>Acolesthes Sarta.</i>	Luri	Temperate Fruit Trees	May-August.	Clean the holes, apply Phenyle ball/ per hole & then plug it with cotton soaked in petrol or Dichlorovas @3ml / Ltr water.	No	Causes damage upto 5-10% in production.	Yes
Apple & Other Fruit Trees.	Chafer beetles	<i>Adorctus simplex & Holotrichia spp.</i>	--	Temperate Fruit Trees	March-July.	Apply 70-100 gm of Carbofuran 3G in the basins by hoeing the 5cm soil around trunk & spray Chloropyriphos @100ml / 100 Ltrs water.	No	Causes damage upto 15-20% in production.	Yes
Apple & Other Fruit Trees.	Blossom Thrips.	<i>Thrips flavus</i>	--	-do-	March-April.	Spray Ethion @100ml / 100 Ltrs water with diesel oil emulsion will reduce the infestation of blossom thrps. Pre-bloom spray of methyle-o-demeton @80 ml/ 100 ltr water or dimethoate @100ml / 100 Ltr water will adequate control.	No	Causes damage upto 10-15% in production.	Yes

Apple.	Apple leaf folder and scraper.	<i>Archips termias</i>	--	-do-	April-May	Application of Methyl-o-demeton @100ml / 100 Ltr water after petal fall.	No	Causes damage upto 2-5% in production.	Yes
Apple.	Spider mites.	<i>Tetranychus Urticae</i>	Makdi	-do-	April-May	Spray of Propargite 57% EC @1ml/ltr of water	No	Causes damage upto 5-10% in production.	Yes
Apple.	Tent catterpillar	<i>Malacosome indica</i>	Tanbu keda	Temperate Fruit Trees	March-May.	Spray of Methyle oxydemeton @100ml / 100 ltrs of water.	No	Causes damage upto 10-15% in production.	Yes
Peach, Plum, Apricot.	Peach leaf curl aphid.	<i>Brachycaudus helicyrsi.</i>	--	Temperate Fruit Trees	April-May	Spray Chloropyriphos @100ml /100 Ltrs water or Dimethoate @100ml /100 Ltr of water after pitel fall. Repeate after 15 days if necessary.	No	Causes damage upto 20-25% in production.	Yes
Peach, Plum, Apricot, Cherry.	Peach Aphid	<i>Myzus Persicae.</i>	--	-do-	March-May.	Spray Dresfol @100ml /100 Ltr water or Dimethoate / Chloropyriphos @100 ml /100 Ltr water at bud burst stage.	No	Causes damage upto 20-25% in production.	Yes
Peach	Fruit fly	<i>Dacus dorsalis</i>	--	-do-	May-August.	Spray Dimethoate or Chloropyriphos @100ml / 100 Ltr water after petal fall. Repeat spray with Dichlorovas @70ml /100 Ltr water if necessary.	No	Causes damage upto 30-35% in production.	Yes
Peach, Plum, Apricot.	Sanjose Scale.	<i>Quadraspidiotus perniciosus</i>	--	-do-	March-April.	Spray during dormancy with diesel oil emulsion in January-February.	No	Causes damage upto 15-20% in production.	Yes
Peach, Plum, Apricot.	Shootborer	<i>Scolytusnitidus</i>	--	-do-	March-April.	Spray with Propaniphos+ Cypermethrin @15ml /10 ltr of water.	No	Causes damage upto 5-10% in production.	Yes
Peach, Plum, Apricot.	Stemborer	<i>Acolesthes Sarta.</i>	--	-do-	March-April.	Spray during dormancy with diesel oil emulsion in January-February.	No	Causes damage upto 5-10% in production.	Yes
Peach, Plum, Apricot.	Chafer beetles	<i>Adorctus simplex & Holotrichia spp.</i>	--	-do-	March-April.	Spray during dormancy with diesel oil emulsion in January-February.	No	Causes damage upto 5-10% in production.	Yes

Peach, Plum, Apricot, Cherry.	Peach twig borer	<i>Acolesthes Sarta.</i>	--	Temperate Fruit Trees	March-April.	Spray during dormancy with diesel oil emulsion in January-February. Pruning / destruction of borer infested branches during autumn. Balance dose of fertilizer. The holes may be plastered with mud prepared by adding carbaryl 50WP & soil in the ratio of 1:6 (insecticide & soil). Dimethoate @100ml / 100 Ltr water May & July.	No	Causes damage upto 5-10% in production.	Yes
	Fruit fly.	<i>Bactrocera dorsalis</i>	--	-do-	April-June.	Clean cultivation, Shallow ploughing of soil orchard, Apply fruit fly trap w.e.f. April-May.	No	Causes damage upto 15% in production.	Yes
Walnut	Walnut weevil	<i>Alcides porrectirostris</i>	--	Intermediate temperate areas.	May-September	Collection / Destruction of fallan nuts. Proper sanitation may be maintained. Spray Chloropyriphos @100ml / 100 Ltr water or quinalphos @140ml /100 Ltr of water in May.	No	Causes damage upto 40% in production.	Yes
	Hairy caterpillar	<i>Lymantria obfuscata.</i>	--	-do-	April-June	Collection / Destruction of egg masses, pupae, Larve. Use of Burlap skirts around the tree trunk in May-June.	No	Delfoliation of leaves.	Yes
	Walnut scale	<i>Quadraspidiotus Juglandis</i>	--	-do-	April-June	Spray Chloropyriphos @100ml /100 Ltrs water at petal fall stage April-August. Spray Diesel oil emulsion during dormancy or spray Dimethoate @140ml / 100 Ltrs of water May-June.	No	Causes damage upto 5-10% in production.	Yes
	Stemborer	<i>Acolesthes Sarta.</i>	--	-do-	Whole year in old trees.	Spray during dormancy with diesel oil emulsion in January-February. Tree trunk should plastered in April-May with carbaryl 50 WP & soil 1:6	No	Weaken the plant.	Yes
	Shoot / Pin holeborers	<i>Scolytusnitidus</i>	--	-do-	April-November	Spray during dormancy with diesel oil emulsion in January-February. Tree trunk should plastered in April-May with carbaryl 50 WP & soil 1:6	No	Causes damage upto 5-10% in production.	Yes

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) [1]	Types of animals bought and sold [2]	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		Source of fish
NO ORGANISED MARKET								

Note: [1] (D) – day; (M) – month;

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

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		Social condition	Nature of inhabitants	No. of HHs
Farmers	Farming	Labourers & Collection of NTFP	Nature	Farming/ Summer	Agriculture	NTFP from forest	SC	Poor	Farmers	
							ST			
							OBC			
							Gen			

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

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 group	Management practices	General uses	Associated TK	Other detail	Community assessed
Agricultural land	Pond	Fallow land											
Cultivated Land	-	-	Cultivated Land		Agricultural Lands are privately owned	Wild Plants / Weeds	Insect	-	Ploughing, Sowing, weeding, hoeing, harvesting etc.	Food, Fooder, Fibre etc.	Medicinal, Traditional, Religious.	-	Self Observed
Non-Cultivated Land	-	-	Non- Irrigated Area/ State Land		Agricultural Lands are privately owned	Wild Plants / Weeds	Insect	-	-	Fooder	Medicinal, Traditional, Religious.	-	Self Observed
Grazing Land	-	-	State Land/ Forest Land		Govt/Private	Wild Plants / Weeds/ Grasses	Insect	-	-	Fooder	Medicinal, Traditional, Religious.	-	Self Observed

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

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		Management practices	General uses	Associated TK	Other detail	Community assessed
Stream	-	Direct small underground streams	Revenue/ Private Land	Mostly Ferns, Bryophytes, Pteridophytes	Amphibians	Daily household and drinking	All the people of the said area	Traditionally management practices for strengthening of bunds and deepening of tank beds	Drinking & Washing Clothes	-	-	General People of Village
Canals	-	From the bigger nalas	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation, Hydro Power, Chakki/ Gharats	Farmer	Small Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers
Nalas	-	Direct small underground streams	Revenue/ Private Land	All crops including fruits, vegetables & Flowers	Frog, Tadpoles, Fishes, Water snakes	Irrigation	Farmer	Check Dams	Irrigation, drinking of domestic animal	-	-	Local villagers

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

Format 10: Soil Type

1	2	3	4	5	6	7	8
Soil Type	Color & Texture	Features	Soil Management	Plants/ Crop Suitable	Flora Fauna	Associated TK	Other information
Sandy Soil	Brown,Red,Yellow, Small grained, Brownish grained mixture	Well drained soil, adequate FYM & nitrogen content, prone to soil erosion due to steep slope	Sandy Loam, Sandy Clay Loam	Kharif crops like Maize, paddy, Sorghum etc. Rabi crops like Wheat, Mustard etc. & other crops like cucurbits and offseason vegetables	Flora: Fagada, Dhaman, Sehtoot, Aru, Gargle etc. Fauna: Billi, Dog, Cow, Sheep, Goat, Horse, Mule etc.	Religious/ Medicinal/ Traditional	-

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

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	Uses (usage)	Associated TK	Other details market/own use	Community/ Know. holder
					Past	Present						
Apple.	Saib, Saeu.	<i>Malus domestica</i>	Red Delicious, Golden Delicious, Maharaji.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Pear.	Baghugosha/ Nakh.	<i>Pyrus communis.</i>	Baghugosha / Pather Nakh.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Peach.	Aarohu.	<i>Prunus persica.</i>	FLA-17, Desi.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Walnut.	Akhrode.	<i>Juglans regia.</i>	Kagzi Selection, Hardshell (Batta)	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Apricot.	Khumani.	<i>Prunus armeniaca.</i>	Veeco, Harcott, Quadri, Desi (Sari).	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes
Plum.	Aloo bukhara.	<i>Prunus salicina.</i>	Santa Rosa, Satsuma, Mariposa.	Temperate	Rare	Plenty	Horticulture Department	Spring Season	Provides nutrients & energy	Human consumption value addition.	Local consumption & Market	Yes

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 Known Holders
						Past	Present					
Shrub	Kemblu	Berberies aristata	Wild/ Local	Lowland valley	Naturally Grown	Available	Available	Antidiabetic, cure blood pressure, kidney ailments	Roots and Fruit	Medicinal value	Market value	Self observed
Herb	Barrain	Acorus calamus	Wild/ Local	Lowland valley	Naturally Grown	Available	Available	Used for gastro intestinal problem	Roots	Medicinal value	Market value	Self observed
Herb	Bhang	Cannabis sativa	Wild/ Local	Lowland valley	Naturally Grown	Available	Available	Cure fever, dysentery sunstroke and give alertness to the body	Leaves	Unknown	Own use	Self observed
Herb	Pudina	Mentha spicata	Local	Lowland valley	Naturally Grown/ Cultivated	Available	Available	Antiviral, antibacterial, anti-inflammatory	Leaves	Unknown	Own use	Self observed
Herb	Methi	Trigonella foenum-graecum	Local	Lowland valley	Cultivated	Available	Available	Balance cholestrol, maintain liver and health	Seeds	Unknown	Own use	Self observed
Herb	Dhania	Coriandrum sativum	Local	Lowland valley	Cultivated	Available	Available	Digestion problems	Leaves, Seeds	Unknown	Own use	Self observed
Herb	Pyaz	Allium cepa	Local	Lowland valley	Cultivated	Available	Available	Used for cold and cough	Roots	Unknown	Own use/ Market value	Self observed
Herb	Lahusan	Allium sativum	Local	Lowland valley	Cultivated	Available	Available	Highly nutritious, Combat sickness, reduces blood pressure etc.	Roots	The latex of the plant heal wounds	Own use/ Market value	Self observed

Herb	Kuad Gandal	<i>Aloe barbadensis</i>	Local	Lowland valley	Cultivated	Available	Available	Highly nutritious, Combat sickness, reduces blood pressure etc.	Whole plant	The latex of the plant heal wounds	Own use/ Market value	Self observed
------	-------------	-------------------------	-------	----------------	------------	-----------	-----------	--	-------------	---------------------------------------	--------------------------	---------------

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/ Know Holders
				Past	Present					
Tree	Deodar	Cedrus deodara	Moist Temperate/ Dry Temperate	Available	Available	Wild/Home garden	Furniture/ Medicinal value	Wood used for Furniture and stump used to extract cedar wood oil	Unknown	Self Observed
Tree	Sunu		Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Kail	Pinus wallichiana	Moist Temperate/ Dry Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Sehtoot	Morus serrata	Sub-tropical/ Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Safeda	Populus ciliata	Sub-tropical/ Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Champ	Alnus nepalensis	Moist Temperate/ Dry Temperate/ Sub- Tropical	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Tree	Akhrot	Juglans regia	Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Unknown	Self Observed
Trees	Fir	Abies pindrow	<i>Temperate areas</i>	Available	Available	Wild	Furniture	Firewood and Timber is used	N.A	Generally, held by community
Trees	Spruce	Picea smithiana	Temperate areas	Available	Available	Wild	Furniture	Firewood and Timber is used	N.A	Generally, held by community

The above information is not exhaustive and relevant additional information to be filled up by the concerned departments.

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					
Cattle	Gaye/ Go	Bos indicus	Local/N.D	Short Less Milk	Semi intensive	More	More	Dairy, Dung, Ploughing		yes	Ghee, Curd, Paneer, Kaladi, Butter	Farmers
	Dogli Gaye	Bos torus	HF	Black & White	Semi intensive	Absent	Few	Dairy & Dung		yes	Ghee, Curd, Paneer, Kaladi, Butter	Farmers
			Jersey C/B	Dished Face	Semi intensive	Absent	Few	Dairy & Dung		yes	Ghee, Curd, Paneer, Kaladi, Butter	Farmers
Buffalo	Manj	bubelus Bubalis	Local	Less Milk	Semi Intensive	Many	Many	Dairy & Draught		yes	Ghee, Curd, Paneer, Kaladi, Butter	Farmers
Horse	Ghoda	Equus-coballus	Local	Short (Pony)	Semi Intensive	few	Few	Load		No	Load	Farmers

Mule	Khachar	-do-	Hybrid	Short (Pony)	Semi Intensive	few	Few	Load		No	Load	Farmers
Dog	Kutta/	C-famillaris	Local	Small hair	Stray	More	More	--	--	--	--	--
	Local											
Cat	Billi	Felis catus	Local	Small hair	Stray	More	More	--	--	--	--	--
Poultry	Desi Murga	G-domestica	Local	Feathered Shanks	Backyard	More	Less	Meat, egg		No	Meat purpose	Farmers
	Broiler	Galus- domestica	Hybrid	White	Intensive	Absent	Few (inported)	Meat		No	Meat	Poultry Farmers
Goat	Bakri	Capra Aegagrus	Local	White & black	Backyard	Plenty	Plenty	Meat	-	Yes	Multi purpose	Farmers
Sheep	Bhed	Ovis Aries	Local	Many colours	Backyard	Rare	Rare	Meat	-	Yes	Multi purpose	Farmers

Uses include milk, meat, skin, fur and etc.

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/ Knowledge Holder
						Past	Present					
Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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	Associated TK	Other details	Community Knowledge Holder
					Past	Present					
Tree	Deodar	<i>Cedrus deodara</i>	Tree	Moist/ Temperate	Available	Available	Commercial use	Whole plant	Timber	Value	Self - observed
Tree	Kail	<i>Pinus wallichiana</i>	Tree	Moist/ Temperate	Available	Available	Commercial use	Timber	Timber	Value	Self - observed
Tree	Champ	<i>Alnus nitida</i>	Tree	Moist/ Temperate	Available	Available	Commercial use	Timber	Timber	Value	Self - observed
Trees	Akhrot	<i>Juglans regia</i>	Tree	Moist/ Temperate	Available	Available	Own use	Fruit, Bark	Fruit	Value	Self - observed
Shurbs	Trimuru	<i>Zantho xylum aurmatum</i>	Shurbs	Sub-Tropical	Available	Available	Own use	Fruit, Leaves	Fruit	Value	Self - observed
Shurbs	Garna	<i>Carissa opaca</i>	Shurbs	Sub-Tropical	Available	Available	Own use	Fruit	Edible	Nutrition	Self - observed
Herb	Bhang	<i>Cannabis sativa</i>	Herb	Sub-Tropical	Available	Available	Own use	Leaves	Medicinal value	Unknown	Self - observed
Herb	Pudina	<i>Mentha spp.</i>	Herb	Sub-Tropical	Available	Available	Own use	Leaves	Medicinal value	Value	Self - observed
Tree	Apple	<i>Malus domestica</i>	Tree	Scattered	Available	Available	Commercial Use	Fruits	Source of nutrition	Value	Self - observed
Tree	Banj	<i>Quercus incana</i>	Tree	Temperate	Available	Available	Own use	Leaves	Fodder	Unknown	Self - observed

Tree	Chir	<i>Pinus roxburghii</i>	Tree	Sub-Tropical	Available	Available	Commercial use	Cone, resin etc	Fuel	Value	Self - observed
------	------	-------------------------	------	--------------	-----------	-----------	----------------	-----------------	------	-------	-----------------

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	Deodar	<i>Cedrus deodara</i>	Wild	Social & economic	Available
2	Kail	<i>Pinus wallichiana</i>	Wild	Economic, social & medicinal values, timber etc	Available
3	Kembal	<i>Lannea coromandelica</i>	Wild	Social & economic	Available
4	Spruce	<i>Picea smithiana</i>	Wild	economic/social	Available

Format 20: Aquatic Biodiversity

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Associated TK	Other Details	Community/ Knowledge Holder	
					Past	Present				
Rainbow Trout	<i>Oncorhynchus mykiss</i>	Wild, Fresh Water & Hill Stream Fishies.	Bony, Fresh Water	Fresh water Streams & Rivers. Trout exclusively established in upper stretches of River Tawi and other adjoining feeding streams	All Fish species were available except Rainbow Trout which was introduced in the year 2005-06.	Mahaseer is now a days is reported very few in catch and Trout is well established in the Upper reaches of the River Tawi.	Human Food Fish. Sport Fish (Trout)	Yes	Mode of Catching Fish:- Cast Net, Fishing Rod and Hook line. Breeding Time:- Trout Breeds between months of November to January and others breeds in Monsoon season.	Yes, Among Fishermen and Angling Community.
Alma	<i>Schizothorax spp.</i>									
Doga	<i>Glyptothorax spp.</i>									
and other Hill Stream Fishies.										
Rainbow Trout	<i>Oncorhynchus mykiss</i>	Wild, Fresh Water & Hill Stream Fishies.	Bony, Fresh Water	Fresh water Streams & Rivers. Trout exclusively established in upper stretches of River Tawi and other adjoining feeding streams	All Fish species were available except Rainbow Trout which was introduced in the year 2005-06.	Mahaseer is now a days is reported very few in catch and Trout is well established in the Upper reaches of the River Tawi.	Human Food Fish. Sport Fish (Trout)	Yes	Mode of Catching Fish:- Cast Net, Fishing Rod and Hook line. Breeding Time:- Trout Breeds between months of November to January and others breeds in Monsoon season.	Yes, Among Fishermen and Angling Community.
Alma	<i>Schizothorax spp.</i>									
Doga	<i>Glyptothorax spp.</i>									
and other Hill Stream Fishies.										

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

Format 21: Wild Aquatic Plant Species of Importance

1	2	3	4	5	6
S.No.	Local Name	Scientific Name	Variety	Importance	Trends
1	Kasrod (fern)	<i>Tracheophyta</i>	Wild	Social & Economic	Self observed

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					
Shrubs	Kareel- kaimbal	<i>Berberis aristata DC</i>	Local	Forest	Available		Rasount	Jaundice	Roots	Own use	Self observed
Shrub	Sanglidhoop	<i>Skimmia anquetilia N.P Taylor & Airy Shaw</i>	Wild/ Local	Forest	Available		Used in medicine	Used in medicine	Whole part	Own use	Self observed
Herb	Fulgadi		Wild	Forest	Available		Medicinal	Dysantary	Roots	Own use	Self observed
Herb	Bareyan	<i>Acorus calamus</i>	Wild	Forest	Available		Medicinal	Dysantry	Stem	Own use	Self observed
	Kasrod (fern)	<i>Tracheophyta</i>	wild	Forest	Available		Nutritious		Stem	Own use	Self observed

Note: Uses: Food/Veterinary Medicine/Human Medicine (Sub-divisions like for children, women etc)/Agricultural Purpose (Bio-pesticide)
Other details: Harvesting period /Perennial/annual/seasonal

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					
Wild cumin	<i>Carum carvi</i>									
Bhrami	<i>Bacopa Monnieri</i>									
Wild tea	<i>Camellia sinensis</i>									
Jungali aalu	<i>Dioscorea bulbifera</i>									

Note: Other details may include 'function as a substitute plant' in the absence of a particular plant

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	Part used	Associated TK	Other details (mode of use)	Community knowledge holder
					Past	Present					
Trees	Akhrot	<i>Juglans regia</i>	Local	Temperate	Available		Gum diseases	Bark, leaves		Brushing teeth	Self observed
Trees	Banj	<i>Quercus incana</i>	Local		Available		-	Twigs		Brushing teeth	Self observed
Shrubs	Trimuru	<i>Zantho Xylum Aurmatum</i>	Wild	Sub-Tropical	Available		Anti-Septic	Leaves, fruit		Brushing teeth & Medicines	Self observed
Shrubs	Bhang	Canabis sativia	Wild	Sub-Tropical	Available		Dysantary	Leaves		Traditional use	Self observed

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	Cedrus deodara	Moist Temperate/ Dry Temperate	Available	Available	Wild/Home garden	Furniture/Medicinal value	Wood used for Furniture and stump used to extract cedar wood oil	Self Observed
Sunu		Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Self Observed
Kail	Pinus wallichiana	Moist Temperate/ Dry Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Self Observed
Sehtoot	Morus serrata	Sub-tropical/ Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Self Observed
Safeda	Populus ciliata	Sub-tropical/ Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Self Observed
Champ	Alnus nepalensis	Moist Temperate/ Dry Temperate/ Sub-Tropical	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Self Observed
Akhrot	Juglans regia	Temperate	Available	Available	Wild/Home garden	Furniture	Wood used for Furniture	Self Observed
Fir	Abies pindrow	<i>Temperate areas</i>	Available	Available	Wild	Furniture	Firewood and Timber is used	Generally, held by community

Spruce	Picea smithiana	Temperate areas	Available	Available	Wild	Furniture	Firewood and Timber is used	Generally, held by community
--------	-----------------	-----------------	-----------	-----------	------	-----------	-----------------------------	------------------------------

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

1	2	3	4	5	6	7		8	9	10	11	12
Animal Type	Local Name	Scientific Name	Habitat	Description	Season when seen	Local status		uses if any	Ass. TK	Mode of hunting	Other details	Community/ Knowledge Holder
						Past	Present					
Mammals	Chitra	<i>Pantherapardus</i>	Terrestrial/ Forest	Spots	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Mammals	Reech/ Bhalu	<i>Ursus americames</i>	Terrestrial/ Forest	Having hairs	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Mammals	Jackal	<i>Canisaureus</i>	Terrestrial/ Forest	Grey colour	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Reptiles	Cobra	<i>Naja naja</i>	Terrestrial/ Forest	Spotted	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Reptiles	Oriental garden lizard	<i>Calotescf. versicolor</i>	Terrestrial/ Forest	Brown colour	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Birds	JungleCrow	<i>Corvous marcorhynchos</i>	Terrestrial/ Forest	Black colour	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Birds	House Sparrow	<i>Passer domesticus</i>	Terrestrial/ Forest	Brown & white greyish colour	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Mammals	Mangoose	<i>Herpstersaurpunct atus</i>	Terrestrial/ Forest	short legs	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
Mammals	Monkey	Rhesus Macaque	Terrestrial/ Forest	Grey colour	All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals

Mammals	Indian Fox	<i>Vulpes bengalensis</i>	Terrestrial/ Forest		All seasons	Available	Available	Unknown	Unknown	Non applicable		Locals
---------	------------	---------------------------	---------------------	--	-------------	-----------	-----------	---------	---------	----------------	--	--------

Format 29: Flora			URBAN BIODIVERSITY			
1	2	3	4	5	6	7
Sr. No.	Local Name	Scientific Name	Type of Plants	Habitat	Flowering Season	Remarks (Rare / Common etc.)
N.A	N.A	N.A	N.A	N.A	N.A	N.A

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.)
N.A	N.A	N.A	N.A	N.A	N.A

Format 31: Any other information of local importance

1	2	3
Sr. No.	Information of local importance	Remarks
N.A	N.A	N.A

End of Part II