

People Biodiversity Register (PBR): General Details

Name of the Panchayat Samiti:- Barron Thopal

Taluk: Thopal

District: Ramban

State: Jammu and Kashmir

Geographical Area of the Panchayat Samiti:

Population under the Panchayat Samiti: Total; 869

Male: 468

Female:401

Habitat and Topography:

Climate (Rainfall, Temperature and weather patterns)

Land Use (Nine fold classification available with village records)

Date, Month and Year of PBR Preparation

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 body ; not less than one third to be women and not less than 18% belonging to SC/ST)

1) Name of the Chairperson: Satish Kumar S/O Mansa Ram 9419994412

Age: 38

Gender: M

Address: Thopal

Area of specialization: Sarpanch

2) Name: Neelam Devi W/O Rajinder Singh

Age: 32

Gender: F

Address: Thopal

Area of specialization: Farmer

3) Name: Rachna Devi W/O Kuldeep Kumar

Age: 35

Gender: F

Address: Dharlta

Area of specialization: Farmer

4) Name: Darshan Kumar S/O Sita Ram

Age: 35

Gender: M

Address: Haldanu

Area of specialization: Pvt Job

5) Name: Bishan Lal SO Mangat Ram

Age: 47

Gender: M

Address: Thopal

Area of specialization: Farmer

6) Name: Fazal mohd SO Din Mohd

Age: 59

Gender: M

Address: Dharalta

Area of specialization: Farmer

7) Name: Harvind Kumar SO Krishan Lal

Age: 43

Gender: M

Address: Haldnu

Area of specialization: Govt Teacher

Annexure 2

Inventory of Vaid, hakims and traditional health care (Human and livestock) practitioners residing and or using biological resources occurring within the jurisdiction of the village

Name : Hans Raj SO Isher Dass 9697623521

Age: 46

Gender: M

Address: Dharaltha -B

Area of specialization: Former

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Name: Mansa Ram SO Basant Ram 8803273774

Age: 74

Gender: M

Address: Haldnu

Area of specialization: Farmer

Location from which the person accesses biological material:

Perception of the practitioner on the resource status:

Medicinal Use:

Name: Mohd Sadiq SO kashmiru 9596921948

Age: 60

Gender: m

Address: Thopal

Area of specialization: Farmer

Location from which the person accesses biological material:

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 :- Sewa Ram S/o Gujjar Singh

Age: 68

Gender: M

Address: Thopal

Area of specialization: Farmer

Name :- Monohar Lal S/o Prithvi Raj

Age: 50

Gender: M

Address: Thopal

Area of specialization: Farmer

Name :- Krishan Lal S/o Waziru

Age: 73

Gender: M

Address: Thopal

Area of specialization: Farmer

Name :- Chuni Lal 9149601988

Age: 62

Gender:

Address:

Area of specialization: Lambardar

Annexure 4

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

Contact Person: Hans Raj Teacher 9419932861

Name and Address: Govt PS Haldno

Contact Person: Govt Middel S Thopal

Name and Address: Harvind Kumar Teacher 9858639834

Contact Person:

Name and Address:

Contact Person:

Name and Address:

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

Maize						Plenty	Plenty			Food				
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The format 1 could be used for documenting information about Millets, Cereals, Oil seeds, Commercial crops, Tuber crops, Vegetables, Legumes, Aromatic crops etc. The column No. 9 'other details' vary with the nature of crops. For measuring local status, there need to identify a particular year – significant changes in ecology occurred – and compare the status as past and present (past = before the particular incident). We have to list out all possible features of a crop/plant and give short forms of the same. If relevant, cultivation practices, propagation techniques, usage etc can be included in the column 8, in associated TK.

Format 2: Fruit Plants

1	2	3	4	5	6		7	8	9	10	11	12
Plant	Scientific Name	Local Name	Variety	Landscape / Habitat	Local Status		Source of Seeds/Plants	Season of Fruiting	Associated TK	Uses	Other details market / own use	Community / Knowledge holder
					Past	Present						
Apple	<i>Malus domestica</i>	Saib	Red Delicious, Golden Delicious etc	Mid hills upto High hills	Rare	Plenty	Govt. Nursery/ Private Registered Nry	Rainy	Provide Nutrient and Energy	Fresh fruit, Juice, Jam etc	Consumed in local Market Mandi/Jammu	Farmer/ Department of Horticulture
Pear	<i>Pyrus communis</i>	Bagu Gosha, Nakh Nashpati	Red Bartlett, Punjab Beauty, Pathar Nakh, Star Krimson	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture
Peach	<i>Prunus persica</i>	Asroo	FLA 16/13 July Alberta, Quetta, Florida sum, Florida Prenice	Lower hills upto High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Apricot	<i>Prunus armeniaca</i>	Khobani Sarri	Bebco, Harkat	Lower hills upto High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Plum	<i>Prunus saliciana</i>	Aloo Bukhara	Santa Rosa, Kala Amritsari, Alubukhara, Aloocho	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh fruit,		Farmer/ Department of Horticulture
Walnut	<i>Juglans regia</i>	Akhroot	Burzal, Kagzi, Local Selections	High hills			Govt. Nursery/ Private Registered Nry	Rainy		Dry Fruit		Farmer/ Department of Horticulture
Pomegranate	<i>Punica granatum</i>	Anardana, Daroo	Anardana, Kandhari, Ganesh	Lower hills upto Mid hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture

Fig	<i>Ficus carica</i>	Phogara	Local	Mid hills		Govt. Nursery/ Private Registered Nry	Rainy	Fresh Fruit	Farmer/ Department of Horticulture
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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					
Oats	<i>Avena sativa</i>	Javi	Intermediate	Plenty	Plenty	Dept	Nutritive palatable fodder	Leaves stem	Major crop of fodder	Farmers
Bjra	<i>Pennisetum glaucum</i>	Bajra	Intermediate	Plenty	Plenty	Dept	Nutritive palatable fodder	leaves stem	Good value of dry fodder is stives to feed animals during winter	farmers
Soeglrum	<i>Sorghum bicolor</i>	Chari	Intermediate	Plenty	Plenty	Dept	Nutritive palatable fodder	leves stem	Plants are lrge enough to mke stock for winter	farming community

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					
Bael	<i>Ipomea spp.</i>	Bael	All kh. Crops	Suppress growth	Cultivated field	Plenty	Plenty	nil	Mechanical Chemical		annual	Farmers
Wild oat	<i>Avena fua</i>	jngli javi	wheat	Complete for space nutrients	All cultivated field	Plenty	Plenty	Fodder	Cultural Chemical	Grow with crops	annual	Farmers
Jhadi	<i>Parthenum spp.</i>	Congress grss	Fodder crops	Complete for space nutrients	Uncultivated land	Plenty	Plenty	nil	uproorting before flowering	Grow wild	biannual	Farmers
Crab grass	<i>Digitrees spp.</i>		All Kh. Crops	Reduce yield	cultivated land	Plenty	Plenty	Fodder	Cultural Chemical	Grow wild	annual	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
Maize	Cut worm	<i>Aarrotis spp.</i>		All field	June July	Chemical Phortejog	Cuit the plant t ground level		ENIL
Maize	Stem borer	<i>Chilop partellus</i>		batches in field	July August	Chemical Phortejog	Attack the stem which taller	Shallow tilling	
Maize	Grass hopper	<i>Metanoplus spp.</i>		All field	July August	Trimming the budsa , deep ploughing	prolific feeder	Adult in the feeder	
Wheat	Yellow nest	<i>Puccinea striformis</i>		in batches of field	Feb March	Use of rests, tnt vr	yieldf isd redaceeds	highly destructive	
Wheat	Field rats	<i>Bemdicots benglenis</i>		in sports of field	March April	Chemicl ak. Phosphid zinc phosphate	Damage the crop at maturity	difficulkt to control	

Other details may include possible reasons for insects/animal attack

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	Types of fishes sold	Source of fish

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	Cast / tribe	Social condition	Nature of inhabitants	No. of HHs
Nil										

Major occupation may be farming. Sub-occupations could be fishing, collection of NTFP animal husbandry, artisans, services Examples of depending landscapes are agriculture landscape, rivers, forest etc.
 Major resources accessed could be agriculture resources of different nature, fish, birds, water, mud, and etc
 How the community manages the landscapes they use for satisfying different needs, their strategies and perception
 How the community manages the resources they access for satisfying different needs, their strategies and perception, conflicts etc

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											
Hilly & Plain area													

Provide a brief description of landscapes such as forests, plantations, cultivated land, estuary, pond, lake or other elements

Format 11: FURIT 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	<i>Malus domestica</i>	Saib	Red Delicious, Golden Delicious etc	Mid hills upto High hills	Rare	Plenty	Govt. Nursery/ Private Registered Nry	Rainy	Provide Nutrient and Energy	Fresh fruit, Juice, Jam etc	Consumed in local Market/Mandi/Jammu	Farmer/ Department of Horticulture
Pear	<i>Pyrus communis</i>	Bagu Gosha, Nakh Nashpati	Red Bartlett, Punjab Beauty, Pathar Nakh, Star Krimson	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture
Peach	<i>Prunus persica</i>	Asroo	FLA 16/13 July Alberta, Quetta, Florida sum, Florida Prenice	Lower hills upto High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Apricot	<i>Prunus armeniaca</i>	Khobani Sarri	Bebco, Harkat	Lower hills upto High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh Fruit		Farmer/ Department of Horticulture
Plum	<i>Prunus saliciana</i>	Aloo Bukhara	Santa Rosa, Kala Amritsari, Alubukhara, Aloochoa	Mid hills to High hills			Govt. Nursery/ Private Registered Nry	Summer		Fresh fruit,		Farmer/ Department of Horticulture
Walnut	<i>Juglans regia</i>	Akhroot	Burzal, Kagzi, Local Selections	High hills			Govt. Nursery/ Private Registered Nry	Rainy		Dry Fruit		Farmer/ Department of Horticulture
Pomegranate	<i>Punica granatum</i>	Anardana, Daroo	Anardana, Kandhari, Ganesh	Lower hills upto Mid hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture
Fig	<i>Ficus carica</i>	Phogara	Local	Mid hills			Govt. Nursery/ Private Registered Nry	Rainy		Fresh Fruit		Farmer/ Department of Horticulture

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					
	Cambel			Sub-tropical	Seed	Plenty						
	Banafsha			Temperate	Natural/wild	Plenty						
	Banj			Temperate	seed	Plenty						
	Krangal			Sub-tropical	Natural	Rare						
	Timbru			Sub-tropical	Natural	Rare						
	Kau			Sub-tropical	seed	Rare						

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

Format 13: Ornamental Plants/ Trees/Climbers etc.

1	2	3	4	5	6	7	8	9	10
Plant Type	Local Name	Scientific Name	Variety	Source of plant/seeds	Commercial/ non- commercial	Uses	Associated TK	Other details	Community/ Know. holder
Ornamental Tree	Chinar	<i>Platanus orientalis</i>	-	Nurseries	Non commercial	Ornamental/	-	Leaves give pleasing ground cover during fall	Floriculturists/ Nurserymen/Gardeners
						Landscaping			
Bushes/Shrubs	Lavender	<i>Lavandula officianalis</i>	-	Nurseries	Non commercial	Ornamental/	Lavender oil used in cosmetic surgery	Flowers in June-July. Highly fragrant.	Floriculturists/ Nurserymen/Gardeners
						Landscaping			
Herbs Seasonals	Gutta	<i>Tagetes patula</i>	-	Nurseries	Non commercial	Ornamental/	Burns, rashes, itchiness	Grows round the year	Floriculturists/ Nurserymen/Gardeners
						Landscaping			
Herbs Seasonals	Gulab	<i>Rosa spp</i>	-	Nurseries	Non commercial	Ornamental/	Blood purifier, Anti inflammatory	Perennial flower	Floriculturists/ Nurserymen/Gardeners
						Landscaping			

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
1	Kao	<i>Olea cuspidte</i>	wild	Medicinal	Abundant
2	Anantana	<i>Pinica granatus</i>	wild	used in making anardana	Abundant
3	Kandoor	<i>Calkotropisgignte</i>	wild	used as vegeatbles	long highway
4	Chir	<i>Pirius roxburghir</i>	wild	basin, Timber	Abundant
5	Akhrot	<i>Juglns regia</i>	wild	Fruit, Timber	Abundant
6	Banj	<i>Quercus incana</i>	wild	Fodder, Firewood	Abundant
7	Kainth	<i>Pyrus pashia</i>	wild	Fodder, Firewood	Abundant
8	Toon	<i>Toona ciliata</i>	wild	Fuel wood	Abundant
9	Phaktae	<i>ficus palmats</i>	wild	medicinal	Abundant

Format 20: Aquatic Diversity; Panchayat: Barron, Block: Batote

1	2	3	4	5	6		7	8	9	10
Local Name	Scientific Name	Variety	Features	Habitat	Local Status		Uses	Associated TK	Other Detail	Community/ Knowledge Holder
Flora	Nil	Nil	Nil	Nil	Past	Present	Nil	Nil	Nil	Nil
Fauna										
Desi Alma	<i>Schizothorax sps</i>	Indigenous cold water hill stream fishes	Elongated, fusiform with short snout, sub cylindrical body with short, blunt and slightly prognathous upper jaw.	Snow fed Streams, Nallah	Plenty	Plenty	Food Fish	--	Breeding period Feb to Jun, Feeds on natural food, (Plankton, insects trash fish. Mode of catching – Gills Net, Hook	Mahigirs, Deptt. of Fisheries and Vendors
Common	<i>Cyprinus carpio</i>	Exotic	Deep laterally compressed body which is dark brown mouth subterminal with thick lips rostral and maxillary barbels present	Reservoir, Lakes and Sars	do	do	do	--	Breeding period March to April, Feeds on natural and artificial foods Mode of catching – Cast Net and Drag Net	Do

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					
	Draink	<i>Madhuca longifolia</i>			Plenty	Plenty					
	Shisham	<i>Dalbergia sissoo</i>			Plenty	Plenty					
	Chir	<i>Pinus roxburghii</i>			Plenty	Plenty					
	Trimal	<i>Ficus roxburghii</i>			Plenty	Plenty					
	Kau	<i>Olea cusoidata</i>			Plenty	Plenty					
	Kail	<i>Pinus wallichiana</i>			Plenty	Plenty					

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					
Phakwara	<i>Ficus casica</i>	Fig	Hilly and temperate	available	available	Fruit	Pulp of fruit .Rich in vitamin , sugar and minerals	Pulp of fruit	Seeds	Farmers
Ahahtoot	<i>Morus alba</i>	Mulberry	Hilly and temperate	available	available	as a fruit	Rich in protein, sugr, vit C nd E	Pulp of fruit	Good source of anitbodies , Vit A	Farming community
Kamblu	<i>Cynococcus spp.</i>	Blueberry	Hilly and temperate	available	available	Fruit	Rich in Vit C, K nd min mn	Pulp of fruit	King of oxidants	Farming community

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

Format 24: Ornamental Plants

1	2	3	4	5	6	7	8
Local Name	Scientific Name	Variety	Habitat	Commercial/ Non-commercial	Associated Tk	Other Details	Community/ Knowledge Holder
Chinar	<i>Platanus orientalis</i>	-	Terrestrial, Intermediate	Non commercial	-	Leaves give pleasing ground cover during fall	Floriculturists/ Nurserymen/Gardeners
Mor Pankh	<i>Thuja compacta</i>	-	Terrestrial, Intermediate	Non commercial	Used for Respiratory tract infection	Treatment of cold sores, skin infections	Floriculturists/ Nurserymen/Gardeners
Panj Tara	<i>Lagerstromia indica</i>	-	Terrestrial, Intermediate	Non commercial	Astringent, wound healing	Pink flowers	Floriculturists/ Nurserymen/Gardeners
Nerium	<i>Nerium oleander</i>	-	Terrestrial, Intermediate	Non commercial	Epiplepsy, cancer	Avenue plantation	Floriculturists/ Nurserymen/Gardeners
Lavender	<i>Lavandula officianalis</i>	-	Terrestrial, Sub-Tropical	Non commercial	Lavender oil used in cosmetic surgery	Flowers in June-July. Highly fragrant.	Floriculturists/ Nurserymen/Gardeners
Gutta	<i>Tagetes patula</i>	-	Terrestrial, Intermediate	Non commercial	Burns, rashes, itchiness	Grows round the year	Floriculturists/ Nurserymen/Gardeners
Gulab	<i>Rosa spp</i>	-	Terrestrial, Intermediate	Non commercial	Blood purifier, Anti inflammatory	Perennial flower	Floriculturists/ Nurserymen/Gardeners

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					
Sharb	Timbru	<i>Zanthoxylum</i>		sub-tropical			Chewing	Stem,Seed,Bark			Generally, held by community
Mesk	Jurines dedomiars	<i>Dhoop</i>	local	All		Available	Fumigate	Growth high alt.	Stem	Religious	Farming community
Mesk	Dhoop	<i>Jurines dedomiaes</i>		Temprate/ Sub-tropical			Fumigate	Root			Generally, held by community

Format 27 A: Coastal and Marine Flora

1	2	3	4	5		6	7	8	9	10
Plant Type	Local Name	Scientific Name	Habitat	Local Status		Parts Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder
				Past	Present					

NIL

Format 27 B: Coastal and Marine Fauna

1	2	3	4	5		6	7	8	9	10
Animal Type	Local Name	Scientific Name	Habitat	Local Status		Parts Collected (if any)	Commercial Uses (if any)	Other Uses	Associated TK	Community/ Knowledge Holder
				Past	Present					

NIL

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.)
Nil					

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

Format 31: Any other information of local importance

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

End of Part II