

**The Great Himalayan National Park**  
**The Management Plan (April 2004 - March 2009)**  
(Based on Livelihood Approach)

**Contents**

S.No.	Topic	Page
<b>Executive Summary</b>		<b>I-IV</b>
<b>Part 1</b>		
<b>Description and Evaluation</b>		
<b>Chapter 1</b>	<b>The Biophysical Setting</b>	1-5
1.1	Name, location constitution and extent	1
	Location and Area	1
1.2	Approach and Access	1
	The Four Valleys of the Park	2
	Address, Reservation	3
1.3	The Statement of Significance	4
	Local, National and Global Context	4
1.4	Conservation of Biodiversity Project at GHNP (1994-1999)	5
<b>Chapter 2</b>	<b>Background Information and Attributes</b>	6-25
2.1	Boundaries	6
2.2	Geology, rock and soil	6
2.2.1	Soil Characteristics of the Area	7
2.3	Aerial Estimation of GHNPCA	8
2.4	Climate and Rainfall	8-9
2.5	Erosion intensity classification	10
2.6	Types of erosion	10-11
2.7	Factors causing Landslides	11-12
2.8	Extent of Soil Erosion	12-13
2.8.1	Extent of Landslides	13
2.8.2	Extent of sheet and rill erosion	13
2.8.3	Extent of Gully and Nala erosion	14
2.8.4	Extent of Bankcutting by streams and rivers	14
2.9	Extent of Glacial erosion	14
2.10	Biogeography of Area	14-15
2.11	Biodiversity of GHNPCA	15
2.11.1	Plant Community	15
2.11.2	Floral Aspects	15
	Analysis of the Flora	15-16
2.11.3	Diversity, Richness and Evenness of the Flora	17-18
2.12	Faunal aspects	18-20
2.12.1	Facts about some important bird groups	20-21
2.12.2	Small Mammals reported from GHNPCA	21-22
2.13	Legal Position	22-23
	Authoritative English Text of GHNP Final Notification	24-25

<b>Chapter 3</b>	<b>Historical and Socio-Political Perspective of the Human Settlements and Conservation Efforts in Seraj, Kullu Area</b>	26-36
3.0	Human Settlements in Seraj, Kullu: A Historical Perspective	26
3.1	Some aspects of human settlements in Seraj, Kullu area	26-29
3.2	Links to the outside world: Political Perspective	29-31
3.3	Hill Settlements in Modern Times	31-32
3.4	Forest Rights in Contemporary Perspective	32-33
3.5	Settlement of rights of local people in the GHNP	33
3.6	Process of Ecodevelopment and Final Notification of the GHNP	33
3.7	Great Himalayn National Park: Time Line	33-36
<b>Chapter 4</b>	<b>History of Management and Present Practices: Medicinal Plant Trade and Grazing</b>	37-47
4.0	Introduction	37
4.1	Human Population	37
4.1.1	Number of Families	38
4.1.2	Livestock Population	38
4.1.3	Literacy (Negi, 1999)	38
4.2	Landuse Practice	38-40
4.2.1	Cropping Pattern	40
4.3	Medicinal Plant Collection and Trade	40
4.3.1	Trade in Medicinal Plants	40
4.3.2	Quantities extracted	41
4.4	Grazing	41-42
4.4.1	The Pastoral System	42
4.4.2	Grazing Rights	42-43
4.4.3	Land and Livestock Holdings	43-44
4.4.4	Impact of Livestock grazing on physical, biological and environmental values of GHNPCA	44-45
4.4.5	Livestock Dependent Socio-economics	45-46
4.4.6	Pastoral People	46-47
4.4.7	Final Notification of Park and Grazing Issue	47
<b>Chapter 5</b>	<b>The Recent Conservation Efforts at the Great Himalayan National Park Conservation Area (GHNPCA)</b>	48-69
5.0	Introduction	48
5.1	GHNPCA and Local Communities	48
5.2	Dependencies on GHNPCA	49
5.3	Conservation of Biodiversity (CoB) Project (1994 to 1999)	50
5.3.1	Global and National Context of the CoB	50
5.3.2	An Appraisal of the CoB Project	50-52
5.3.2.1	Best Practices and Lessons Learnt (between 1999-2000 and 2003-04)	52-54
5.4	Efforts of Biodiversity Conservation in modern perspective	54-55
5.4.2.1	Biodiversity Conservation	55

5.4.2.2	Socio-economic aspects Literacy Caste Profile The Position of Women in Villages	55-56
5.4.2.3	Setting up of new mechanisms of management	57
i.	To manage the Park: Biodiversity Conservation Society (BiodCS) Friends of GHNP	57-58
ii.	To integrate the local people in Park management: Women's Saving and Credit Groups Village Forest Development Society Society for Advancement of Hill and Rural Areas Jujurana Jeeve	58-59
5.5	Coordination among NGOs and other agencies	59-60
5.6	Some of the emerging concerns of ecodevelopment at GHNPCA	60-61
5.7	Research and Monitoring at GHNPCA	61-62
5.8	Monitoring	62-63
5.9	Forest Fires	63-64
5.10	Competence Based Training for the staff of GHNPCA and local community and NGOs	64-66
5.11	Community Based Ecotourism	66-68
5.12	Present Position of the Field Staff	69

<b>Part 2</b>		
<b>Planning and Recommendations</b>		
<b>Chapter 6</b>	<b>Planning Perspective, Approach and Objectives</b>	70-75
6.0	Landscape/an Ecoregional Perspective	70-71
6.1	The Elements of Planning Mechanisms	71
	The Key Issues	71
6.2	Planning Approach	71-72
	A Livelihood Approach for the Biodiversity Conservation at GHNP	72-73
6.3	Goal	73
6.3.1	Objectives	73
A.	Working with the local communities to reduce/mitigate their dependencies on the GHNP's natural resources.	73
B.	Interventions to manage, monitor and protect the natural habitats and resources.	73-74
6.4	Definitions	75
<b>Chapter 7</b>	<b>The Strategies - Working with the Local Communities to Reduce/Mitigate their Dependencies on the GHNP's Natural Resources</b>	76-114
7.0	The Principles	76
7.0	Zonation	76
i.	Ecozone	76-77
ii.	The Restoration Zone	77
iii.	Village Relocation Zone	77
	<b>Objective 1:</b> <b>Assess the strengths and assets of the natural resource dependent community members (with an emphasis on the women of poor households) to establish explicit links between the management plan activities and livelihood priorities of these people.</b>	78
	<b>Objective 2:</b> <b>Facilitate organizing of sustainable community based organizations, user groups of rural poor and women, preferably with strong linkages to the local village councils known as Panchayats. Establish the biodiversity conservation efforts at Panchayat level through the consultative process of micro planning.</b>	78
7.3	Working with a Community Based Organization	79-82
7.3.1	Integration of WSCGs into Village Forest Development Society	82
7.3.2	Micro-Planning Process	82-84
7.3.3	The Future for Existing Village Ecodevelopment Committees	85
7.3.4	Micro-Planning Process and Participatory Monitoring and Evaluation	86

	<b>Objective 3:</b> <b>Develop a capacity building programme for the members of WSCGs, other User Groups and Park staff on the basis of local wise practices and experiential learning, especially with reference to the alternative income generation activities. Strengthen the existing ones and identify the new partnership opportunities between the Park management and the local community.</b>	88-90
	<b>Objective 4:</b> <b>Improve the identification, appraisal, implementation and evaluation of developmental or income generation programmes so that they better address the livelihood priorities of the local people and facilitate conservation of the Park's biodiversity. Reduce/mitigate tensions between locally identified needs for greater livelihood security and wider concerns about environmental sustainability.</b>	90
7.4	Final Notification and a possible <i>quid pro quo</i>	90
7.4.1	Community Organizations	91-92
7.4.2	Part I: Asset Building for economic empowerment	92
	IGA 1: Vermicomposting	93
	IGA2: "Organic" Farming	93-94
	IGA 3: Conservation and Propagation of Medicinal Herbs	94
	Medicinal Plants Propagation Areas (MPPAs)	95
	IGA 4 : Community Based Ecotourism	96
	Trekking Options	99
	Published Material (available for Sale)	100
	Environmental Education and Awareness	101
	Design and implement	102
	IGA 5: Apricot Seed Oil Extraction	102
	IGA 6: Crafts/Souvenirs	102
	IGA 7: Wage Employment	102
	IGA 8: Street Theater	103
7.4.3	Part II: Activities for providing energy and reducing drudgery among the villagers with an emphasis on the poor women	103
	LPG/Indene Gas Connections	103
	Fuelwood Production	104
7.4.4	Part III: Activities concerning "services" which will bring empowerment, collaborative forest management, nature conservation education, tenure security and other allied matters to these focussed groups (WSCGs).	105
i.	Literacy Programme in the WSCGs	105
ii.	Women and Child Health Care Programmes	106
iii.	Veterinary Programme	107
	<b>Objective 5:</b> <b>Help resolve man-animal conflict with emphasis on social and environmental justice for the poor people living close to the GHNP.</b>	108
7.5	Man-Animal Conflict	108
7.5.1	Crop Depredation	108

7.5.2	Livestock Depredation	108
7.5.3	Compensation	109
7.5.4	Conflict Management	109
	Chemical Restraint; Traps, Cages	110
	<b>Objective 6: Develop competence based training programmes for the GHNPCA staff and the local community and NGOs.</b>	111
7.6	Human Resource Development	111
7.6.1	Competence based Training	112
7.6.2	People's Biodiversity Register	113
7.6.3	Special Training Courses for the GHNPCA staff, local community and NGOs	114
<b>Chapter 8</b>	<b>The Strategies - Interventions to Manage, Monitor and Protect the Natural Habitats and Resources</b>	115-144
	<b>Objective 7: Maintain the naturalness of large and compact areas as representative samples of the Western Himalayan biogeographic zone in its unaltered state to ensure the continuity of evolutionary processes, and environmental services such as adequate quality and flow of water, animal migration, and functions of Gene Pool and Carbon Sink.</b>	115
	<b>Objective 8: Maintain and protect the natural vegetation communities, populations of large ungulates (with emphasis on Himalayan Tahr and Musk Deer) and pheasants, especially Western Tragopan.</b>	115
8.2	Habitat Management	115
	• Waterholes, Watch towers	116
	• Restorative strategy Watershed Monitoring	116
	• Climatic Change and Carbon Sinks	116
	• Gene Pool	117
	• Special Habitat Concerns	117
	• Vaccination	117
	• Exclusion of exotics	118
	• Compensatory strategy	118
	• Ecodevelopment	118
8.3	Wildlife Protection	118
	Local Community as Main Source of Problem as well as of Solution for WL Protection in and Outside the Protected Area.	118
8.3.1	Proactive Actions for WL Protection	119
	• Training of Frontline Staff	119
	• WL Protection Maps	119
	• Wireless Communication	119
	• Prevention of Poaching	120
	• Group Patrolling and Reporting	120
	• Anti Poaching Operations	120
	Detection of Poaching	121

	• Enforcement through statutory powers	121
	• Reward to persons	121
	• The Community Training and Community Center at Sairopa	121
	• Knowledge about Illegal Trade in Wildlife, its derivatives and parts	122
	• The Street Theater	122
	• Development of training manual	122
	• Development of relevant Performa	123
8.3.2	Special recommendations for the protection of the Flagship species such as Western Tragopan and Musk Deer in GHNP	123
8.3.3	Special WL Protection Squads	123
8.4	Grazing and Medicinal Plant Collection	124
8.4.1	Medicinal Plants Conservation Areas	125
8.5	Wildlife Surveys and Abundance Estimation	125
8.6	Fire Protection	127-132
	<b>Objective 9: Facilitate a Rehabilitation Action Plan for relocation of the three existing villages of the Sainj WLS into the ecozone of the GHNP. Improve or regain the standard of living of displaced villagers, relocate village sections or families as village units, integrate villagers into the communities in which they are resettled, and provide them with adequate compensation and infrastructure in order to accomplish rehabilitation.</b>	133
8.7	Unique aspects of the three villages in the Sainj WLS	133
8.7.1	Rationalization of the boundary	133
8.7.2	Factors, detrimental to the biodiversity conservation of the Great Himalayan National Park Conservation Area	134
8.7.3	Rehabilitation of the three villages of the Sainj WLS	134
8.7.4	Revision of the Boundaries: Merger of the Sainj WLS with the Great Himalayan National Park	136
	<b>Objective 10: Provide facilities and opportunities in natural areas for purposes of formal and informal education, research and the study and the Long Term Ecological Monitoring (LTEM).</b>	139
8.8	Research and Monitoring - Vital for PA Management	139
8.8.1	Need for New Research Initiatives	139
8.8.2	Long Term Ecological Monitoring (LTEM)	140
8.8.3	Usefulness of Experimental Plots	143
8.8.4	Role of Community	143
	<b>Objective 11: Provide opportunities for healthy and constructive outdoor recreation for local residents, regional and foreign visitors, and to serve as elements for ecologically sustainable tourism development.</b>	144

	<b>Objective 12:</b> <b>Protect and make available (with the consent of the local community) the cultural, historic and archaeological objects, structures and sites for public visitation and research purposes as elements of the cultural heritage of the GHNPCA including sacred groves.</b>	144
<b>Chapter 9</b>	<b>Important Conservation Concerns</b>	145-147
9.1	Introduction	145
9.2	Rewarding Upland Poor for the Environmental Services they Provide (RUPES)	145
9.3	Will economic well-being alone contribute to Biodiversity Conservation?	146-147
<b>Chapter 10</b>	<b>Staff, Funding, Inter-Sectoral Co-operation, NGO and CBO Participation and Budget</b>	148-149
	• The Reorganization of Wildlife Beats	148
	• Funding for the execution of recommendations of the present Management Plan	148
	• Funding Agencies	149
	• Cross-sectoral co-operation	149
	• Budget: The Proposed budget is given in the Appendix	149
	Bibliography	150-152
Appendix 1	H.P. Govt, PFM Rules, 2001	153-156
Appendix 2	H.P. Govt. Grant in Aid Rules	157-159
Appendix 3	Sanjhi Van Yojna	160-163
Appendix 4	Pheasant Surveys	164-165
Appendix 5	Field Craft-How to Observe and Understand the Jungle	166-169
Appendix 6	Wildlife Surveys/Census	170-173
Appendix 7	Selected Species for LTEM in GHNP	174-195
Appendix 8	Proposed Livelihood Based Participatory Panchayat Microplanning Process	196-201
Appendix 9	Budget for GHNP	i-iv
Appendix 10	Details of Population in GHNP Ecozone	P1-P29