

## LIST OF TABLES

<i>Number</i>	<i>Title of the Tables</i>	<i>Page No</i>	
1.1	Geological succession of Darjeeling hills		13
1.2	Mean temperature, rainfall of Darjeeling, Kalimpong and Kurseong		22
1.3	Rivers and tributaries in Darjeeling hill area		23
1.4	Taxonomic soil associations in Darjeeling Himalaya		29
1.5	Characteristics of soils in forest areas of Darjeeling hills		31
1.6	Block wise land use pattern in Darjeeling Hilly areas		38
1.7	Cultivated area under different crops in the Darjeeling hill area		39
2.1	Growth of tea industry in Darjeeling during British period		46
2.2	Major roads constructed during the British period		47
3.1	Climate change and its impact implication		74
3.2	Common change in vegetation due to climate change		76
4.1	Forest area affected by fire in Darjeeling Division.		89
4.2	Extend of forest degradation in Darjeeling hills		90
4.3	River bed rising in the Himalayan foreland		91
4.4	Incidences of major landslides in Darjeeling Himalaya	96	97
4.5	Landslides under different environmental set-up		102
4.6	The rate of slumping in lower Paglajhora		103
4.7	Rating table for assigning parametric value for C.P factors		110
4.8	Proposed soil conservation plan for Darjeeling hills		113
5.1	List of endangered medicinal plants found in the Darjeeling hills	126	128
6.1	Accommodation facilities for tourists during the British period		137
6.2	List of hotels and boarding houses during the British period		138
6.3	Tourist arrivals in Darjeeling Hills (2005-2010)		142
6.4	Sub-division wise arrival of tourist in the Darjeeling hills		144
6.5	Month-wise foreign tourist arrivals in Darjeeling hills		146
6.6	List of Himalayan Species under grave danger due to tourism	149	150

6.7	Impact of tourism in Darjeeling hills	153
6.8	Economic impact of tourism in Darjeeling hill areas.	159
6.9	Socio-economic impacts of tourism in Darjeeling hills	161
6.10	Factor analysis for environmental degradation	165
7.1	Hilly area of Darjeeling district	172
7.2	Land tenure system in Darjeeling during British period (1903)	174
7.3	Land utilization pattern in the early independence period.	175
7.4	Classification forest area (in Acre) of the Darjeeling hills in 1963	176
7.5	Tea gardens and total area occupied by the tea gardens in Darjeeling	177
7.6	Area occupied by the tea gardens in three hill sub-divisions.	177
7.7	Proximate and underlying drives for land use transformation	178
7.8	Administrative set-up of the forest area in Darjeeling hills	179
7.9	Timber trading and revenue expenditure of Forest divisions	182
8.1	Major roads network in Darjeeling hills during the British period	193
8.2	Roads constructed by PWD Darjeeling construction division	194
8.3	Roads constructed during the DGHC period in Darjeeling hill	197
8.4	Construction of village roads under NREGY scheme since 2007	199
8.5	The growth of population in major urban centers in Darjeeling hills	202
8.6	Projected water demand and supply in Darjeeling town	207
8.7	Education Infrastructure in Darjeeling hill sub-divisions in 2006-2007	209
8.8	The health infrastructure in hill sub-divisions of Darjeeling hills	210
8.9	Hydroelectric power generating stations in Darjeeling hills	213
8.10	Morphology of Mirik landslide	219
9.1	Environmental impact identification	238 245