

# NEPAL

## Atlas & Statistics

*Editor*

**Harka Gurung**

*Compilers*

**Narendra Khanal**

**Purushotam Pradhan**

**Pawan Ghimire**



# Contents

PREFACE	iii
INTRODUCTION	ix
<b>Maps and Figures</b>	
<b>PART I: THE SETTING</b>	
1. The World	3
2. South Asia	5
3. Nepal: Late 18th century	7
4. Nepal: Early 19th century	9
5. Administrative districts, pre-1963	11
6. Administrative division, post-1963	13
7. Geographic regions; Inset: Census regions	15
<b>PART II: PHYSICAL BASIS</b>	
<b>Section A: Geology &amp; Geomorphology</b>	
8. Geological map	19
9. Geological cross-section	21
10. Earthquake epicentres	23
11. Soil types	25
12. Minerals	27
13. Elevation zones	29
14. River systems	31
15. Lakes	33
16. East-west cross-sections	35
17. North-south cross-sections	37
18. Peaks and passes, west	39
19. Peaks and passes, central	41
20. Peaks and passes, east	43
21. Kathmandu Valley	45
22. Pokhara Valley	47

### **Section B: Climate & Biogeography**

23. Mean temperature, January	49
24. Mean temperature, July	51
25. Mean annual precipitation	53
26. Ecological land units	55
27. Vegetation types	57
28. Land use	59

### **PART III: SOCIO-CULTURAL ASPECTS**

#### **Section C: Culture & Population**

29. Ethnographic map	63
30. Linguistic map	65
31. Hindu population	67
32. Buddhist population	69
33. Muslim population	71
34. Population of minority religions	73
35. Janajati population	75
36. Dalit population	77
37. Districts by population size	79
38. Net migration streams	81
39. Population growth rate	83
40. Population distribution	85
41. Population density	87
42. Sex ratio	89
43. Municipal population	91
44. Life expectancy	93
45. Infant mortality rates	95
46. Registered legal cases	97
47. Criminal cases	99

**Section D: Education, Health & Water Supply**

48. Literacy rate
49. Female literacy rate
50. School enrolment rate
51. Higher secondary school enrolment
52. Tribhuvan University enrolment
53. Population per health institution
54. Population per hospital bed
55. Households with piped water

**PART IV: ECONOMIC SECTORS**

**Section E: Agriculture & Forestry**

56. Arable land
57. Grade of land
58. Land revenue
59. Irrigated area
60. Paddy production
61. Cereal crop production (maize, millet, wheat, barley)
62. Cash crop production-I (potato, oilseed, sugarcane, tobacco)
63. Cash crop production-II (cotton, tea, jute, coffee)
64. Livestock units
65. Food balance
66. Forest cover
67. Forest area
68. Forest revenue
69. Afforestation area
70. Community forestry area

**Section F: Transport and Communication**

71. Road network
72. Vehicle registration
73. Air connection
74. Population per post office
75. Telephone network
76. Registered newspapers

	<b>Section G: Trade and Banking</b>	
101	77. Export and import	161
103	78. Customs revenue	163
105	79. Agricultural credit	165
107	80. Number of cooperatives	167
109		
111	<b>Section H: Energy and Industry</b>	
113	81. Hydropower projects	169
115	82. Alternative energy	171
	83. Small and cottage industries	173
	84. Medium and large-scale industries	175
	85. Gross fixed asset in industries	177
119	86. Industrial labour	179
121		
123	<b>Section I: Tourism</b>	
125	87. Tourist arrival by air	181
127	88. Tourist arrival by road	183
129	89. Expeditions to climbing peaks	185
131	90. Groups to trekking peaks	187
133	91. Trekkers by area	189
135	92. River rafting visitors	191
137	93. Protected area visitors	193
139		
141	<b>PART V: DEVELOPMENT INDICATORS</b>	
143	94. Total revenue (tax and non-tax)	197
145	95. Regular and development expenditure	199
147	96. Non-government organisations	201
	97. Human development index	203
	98. Per capita income	205
149	99. Levels of development, 1977	207
151	100. Overall composite development index, 2001	209
153		
155	<b>DATA SOURCES &amp; REFERENCES</b>	211
157	<b>INDEX</b>	213
159		

## Tables

1.	Gurkha deployment	2	39.
2.	SAARC countries, select indicators	4	40.
3.	Principalities/states before the Gorkhali conquest	6	41.
4.	Nepal chronology, 1768-1885	8	42.
5.	Administrative districts and area, pre-1963	10	43.
6.	Administrative districts and area, post-1963	12	44.
7.	Regional division of Nepal	14	45.
8.	Geological formation	18	46.
9.	Litho-tectonic unit	20	47.
10.	Frequency of earthquakes recorded	22	48.
11.	Surface area by soil type	24	49.
12.	Mineral deposits by type	26	50.
13.	Elevation zones by geographic regions	28	51.
14.	Drainage area of some rivers	30	52.
15.	Lake areas in Nepal, 1979	32	53.
16.	Mountain passes	34	54.
17.	North-south cross-sections	36	55.
18.	The West: Principal and subsidiary ranges	38	56.
19.	The Centre: Principal and subsidiary ranges	40	57.
20.	The East: Principal and subsidiary ranges	42	58.
21.	Kathmandu Valley	44	59.
22.	Pokhara Valley	46	60.
23.	Mean temperature, January	48	61.
24.	Mean temperature, July	50	62.
25.	Mean annual precipitation	52	63.
26.	Ecological land system units	54	64.
27.	Vegetation types	56	65.
28.	Land use categories by physiographic division, 1977/78	58	66.
29.	Population by caste/ethnic group, 2001	62	67.
30.	Population by mother tongue, 2001	64	68.
31.	Hindu population, 2001	66	69.
32.	Buddhist population, 2001	68	70.
33.	Muslim population, 2001	70	71.
34.	Population of minority religions, 2001	72	72.
35.	Janajati population, 2001	74	73.
36.	Dalit population, 2001	76	74.
37.	District population size, 2001	78	75.
38.	In-migrants and out-migrants' by region, 2001	80	76.
			77.

Population growth rate, 1991-2001	82
Population change by geographic region, 1971-2001	84
Population density, 2001 (per km)	86
Sex ratio, 2001	88
Municipal population, 2001	90
Life expectancy, 1996	92
Infant mortality rate, 1996	94
Registered legal cases, 2000	96
Criminal cases, 2001/02	98
Literacy rate, 2001	100
Female literacy rate, 2001	102
School enrolment rate, 2000	104
Higher secondary (+2) school enrolment, 2002	106
Tribhuvan University enrolment, 2001/2002	108
Population per health institution, 2001/2002	110
Population per hospital bed, 2001/2002	112
Households with piped water, 2001	114
Arable land, 1991/1992	118
Grade of land	120
Land revenue, FY 2001/2002	122
Irrigated area, 2000/2001	124
Paddy production, 2000/2001	126
Cereal crop production, 2000/2001	128
Cash crop production – I, 2000/2001	130
Cash crop production – II, 2000/2001	132
Livestock units, FY 2000/2001	134
Food balance 2000/2001	136
Endemic plants of Nepal	138
Forest area, FY 1999/2000	140
Forest revenue, FY 2001/2002	142
Afforestation area, FY 2001/2002	144
Community forest area, Sept. 2002	146
Road network, 2000	148
Vehicle registration, July 2002	150
Domestic airlines movement, July 2002	152
Population per post and sub-post office, 2002	154
Telephone network, 2002	156
Registered newspapers, June 2002	158
Export and import, 2000/2001	160

**viii Nepal Atlas & Statistics**

78. Customs revenue, 2000/2001
79. Agricultural credit, FY 2001/2002
80. Number of cooperatives by type, FY 2001/2002
81. Hydropower generation
82. Alternative energy
83. Small and cottage industries, 2000/2001
84. Manufacturing establishments, 2001
85. Industries by gross fixed asset, 2001/2002
86. Industrial labour, 1996/97
87. Tourist arrivals by air, 2001
88. Tourist arrivals by road, 2001



162	89. Expeditions to climbing peaks, 1996-2000	184
164	90. Groups to trekking peaks, 1996-2000	186
166	91. Trekking routes and visitors, 2000	188
168	92. River rafting visitors, 1999	190
170	93. Protected area visitors, 2000	192
172	94. Tax and non-tax revenue, FY 2000/2001	196
174	95. Regular and development expenditure, FY 2000/2001	198
176	96. Number of NGOs, June 2002	200
178	97. Human development index, 2001	202
180	98. Per capita income (PCI), 2001	204
182	99. Levels of development 1977	206
	100. Composite development index, 2001	208