

Title of the textbook: India: Physical Environment

Class : XI

Corrections:

- **In chapter 1, page no. 3, figure 1.1: India : Administrative Divisions**

Note: Orissa should be changed to Odisha

- **In chapter 3, page no. 22, figure 3.2: Major Rivers of India**

Note: Names of the tributaries of river Brahmaputra, namely Dihang and Lohit should also be marked.

- **In chapter 3, page no. 27, column 1, last line**

Note: Orissa should be changed to Odisha

- **In chapter 3, page no. 27, column 2, line no. 6 and 13**

Note: Orissa should be changed to Odisha

- **In chapter 4, page no. 47, column 1, line no. 47**

Note: Spelling to be corrected as Aravalis

- **In chapter 4, page no. 50, column 1, line no. 16**

Note: Orissa should be changed to Odisha

- **In chapter 5, page no. 59, column 1, line no. 25**

Note: Orissa should be changed to Odisha

- **In chapter 5, page no. 60, column 2, line no. 21**

Note: Orissa should be changed to Odisha

- **In chapter 5, page no. 61, column 1, line no. 25 – 28**

According to Indian State of Forest Report 2011, the actual forest cover in India is only 21.05 percent. Of the forest cover, the share of dense and open forests are 12.29 and 8.75 percent respectively.

- **In chapter 5, page no. 62, column 1, Box information line no. 15-23**
Out of the total of 593 districts 188 have been identified as the tribal districts. The tribal districts account for about 59.61 percent of the total forest cover of the country whereas the geographical area of the 188 districts forms only 33.63 percent of the total geographical area of the country.

Source: Annual report 2011-12, Ministry of Environment and Forests, Government of India

- **In chapter 5, page no. 63, column 2, line 46 – 48**

The tiger population in the country has registered an increase from 1,411 in 2006 to 1706 in 2010.

- **In chapter 5, page no. 63, Table 5.1: List of Biosphere Reserves**

Table 5.1: List of Designated Biosphere Reserves

S. No	Name of the BR & total geographical area (km ²)	Date of designation	Location in the States /UT
1.	Nilgiri (5520)	01.08.1986	Part of Wynad, Nagarhole, Bandipur and Madumalai, Nilambur, Silent Valley and Siruvani hills (Tamil Nadu, Kerala and Karnataka)
2.	Nanda Devi (5860.69)	18.01.1988	Part of Chamoli, Pithoragarh & Almora Districts in Uttarakhand
3.	Nokrek (820)	01.09.1988	Part of East, West and South Garo Hill districts in Meghalaya
4.	Manas (2837)	14.03.1989	Part of Kokrajhar, Bongaigaon, Barpeta, Nalbari, Kamrup and Darang districts in Assam
5.	Sunderban (9630)	29.03.1989	Part of delta of Ganges & Brahmaputra river system in West Bengal.
6.	Gulf of Mannar (10500)	18.02.1989	India part of Gulf of Mannar extending from Rameswaram island in the North to Kanniyakumari in the South of Tamil Nadu.
7.	Great Nicobar (885)	06.01.1989	Southern most island of Andaman and Nicobar Islands.
8.	Similipal (4374)	21.06.1994	Part of Mayurbhanj district in Odisha.
9.	Dibru-Saikhowa (765)	28.07.1997	Part of Dibrugarh and Tinsukia districts in Assam
10.	Dehang Debang (5111.5)	02.09.1998	Part of Upper Siang, West Siang and Dibang Valley districts in Arunachal Pradesh.
11.	Pachmarhi (4981.72)	03.03.1999	Part of Betul, Hoshangabad and Chhindwara districts in Madhya Pradesh.

12	Khangchendzonga (2619.92)	07.02.2000	Part of North and West districts in Sikkim
13.	Agasthyamalai (3500.36)	12.11.2001	Part of Thirunelveli and Kanyakumari districts in Tamil Nadu and Thiruvanthapuram, Kollam and Pathanamthitta districts in Kerala.
14.	Achanakmar- Amarkantak (3835.51)	30.03.2005	Part of Anuppur and Dindori districts of Madhya Pradesh and Bilaspur district of Chhattisgarh
15.	Kachchh (12,454)	29.01.2008	Part of Kachchh, Rajkot, Surendranagar and Patan districts in Gujarat.
16.	Cold Desert (7770)	28.08.2009	Pin Valley National Park and surroundings; Chandratal & Sarchu; and Kibber Wildlife sanctuary in Himachal Pradesh.
17.	Seshachalam (4755.997)	20.09.2010	Seshachalam hill ranges in Eastern Ghats encompassing part of Chittoor and Kadapa districts in Andhra Pradesh.
18.	Panna (2998.98)	25.08.2011	Part of Pann and Chhattarpur districts in Madhya Pradesh

* Sites with bold letters have been included in the World Network of BRs of UNESCO.

Source: Annual report 2011-12, Ministry of Environment and Forests, Government of India

- In chapter 5, page no. 67, line no. 7

Note: Orissa should be changed to Odisha

- In chapter 6, page no. 71, column 1, line no. 25

Note: Orissa should be changed to Odisha

- In chapter 6, page no. 71, column 2, line no. 27

Note: Orissa should be changed to Odisha

- In chapter 7, page no. 87, figure 7.6: Major Flood Hazard Zones

Note: Names of the tributaries of river Brahmaputra, namely Dihang and Lohit should also be marked.

- In chapter 7, page no. 90, column 2, line no. 15

Note: Orissa should be changed to Odisha

- In chapter 7, page no. 93, line no. 42

Note: Orissa should be changed to Odisha

Appendix 1

States, Their Capitals, Number of Districts, Area and Population

S. No.	State	Capital	No. of Districts	Area in sq. km	Population
1	Andhra Pradesh	Hyderabad	23		8,46,65,533
2	Arunachal Pradesh	Itanagar	16		13,82,611
3	Assam	Dispur	27		3,11,69,272
4	Bihar	Patna	38		10,38,04,637
5	Chhattisgarh	Raipur	18		2,55,40,196
6	Goa	Panji	2		14,57,723
7	Gujarat	Gandhi Nagar	26		6,03,83,628
8	Haryana	Chandigarh	21		2,53,53,081
9	Himachal Pradesh	Shimla	12		68,56,509
10	Jammu and Kashmir	Srinagar	15		1,25,48,926
11	Jharkhand	Ranchi	24		3,29,66,238
12	Karnataka	Bangalore	30		6,11,30,704
13	Kerala	Thiruvananthapuram	14		3,33,87,677
14	Madhya Pradesh	Bhopal	50		7,25,97,565
15	Maharashtra	Mumbai	35		11,23,72,972
16	Manipur	Imphal	9		27,21,756
17	Meghalaya	Shillong	7		29,64,007
18	Mizoram	Aizawl	8		10,91,014
19	Nagaland	Kohima	11		19,80,602
20	Odisha	Bhubaneshwar	30		4,19,47,358
21	Punjab	Chandigarh	20		2,77,04,236
22	Rajasthan	Jaipur	33		6,86,21,012
23	Sikkim	Gangtok	4		6,07,688
24	Tamil Nadu	Chennai	32		7,21,38,958

25	Tripura	Agartala	5		36,71,032
26	Uttarakhand	Dehradun	13		1,01,16,752
27	Uttar Pradesh	Lucknow	71		19,95,81,477
28	West Bengal	Kolkata	19		9,13,47,736

Source: <http://india.gov.in> as on 18.04.12

Note:1. Area to remain same in column 5.

2. For population provisional data of 2011 are given

Appendix 2

Union Territories Their Capitals, Number of Districts, Area and Population

S. No.	Union Territories	Capital	No. of Districts	Area	Population
1	Andaman and Nicobar Island	Port Blair	3		3,79,944
2	Chandigarh	Chandiagrh	1		10,54,686
3	Dadra and Nagar Haveli	Silvassa	1		3,42,853
4	Daman and Diu	Daman	2		2,42,911
5	Delhi (NCT)	Delhi	9		1,67,53,235
6	Lakshadweep	Kavaratti	1		64,429
7	Puducherry	Puducherry	4		12,44,464

Source: <http://india.gov.in> as on 18.04.12

Note:1. Area to remain same in column 5.

2. For population provisional data of 2011 are given

Appendix 3

Water Availability – Basin wise

Sl. No.	Name of the River Basin	Average annual availability (Cubic Km/Year)
1.	Indus (up to Border)	73.31
2.	a) Ganga	525.02
	b) Brahmaputra ,Barak & Others	585.60
3.	Godavari	110.54
4.	Krishna	78.12
5.	Cauvery	21.36
6.	Pennar	6.32
7.	East Flowing Rivers Between Mahanadi & Pennar	22.52
8.	East Flowing Rivers Between Pennar and Kanyakumari	16.46
9.	Mahanadi	66.88
10.	Brahmani & Baitarni	28.48
11.	Subernarekha	12.37
12.	Sabarmati	3.81
13.	Mahi	11.02
14.	West Flowing Rivers of Kutch, Sabarmati including Luni	15.10
15.	Narmada	45.64
16.	Tapi	14.88
17.	West Flowing Rivers from Tapi to Tadri	87.41
18.	West Flowing Rivers from Tadri to Kanyakumari	113.53
19.	Area of Inland drainage in Rajasthan desert	NEG.
20.	Minor River Basins Draining into Bangladesh & Burma	31.00
Total		1869.35

Source: <http://mowr.gov.in> on 18.04.12

Appendix 4

State/Union Territory Wise Forest Cover (Area in square km)

State/UT	Geographical Area	2011 Assessment			
		Very Dense Forest	Mod. Dense Forest	Open Forest	Total Forest
1	2	3	4	5	6
Andhra Pradesh	275069	850	26242	19297	46389
Arunachal Pradesh	83743	20868	31519	15023	67410
Assam	78438	1444	11404	14825	27673
Bihar	94163	231	3280	3334	6845
Chhattisgarh	135191	4163	34911	16600	55674
Delhi	1483	7	49	120	176
Goa	3702	543	585	1091	2219
Gujarat	196022	376	5231	9012	14619
Haryana	44212	27	457	1124	1608
Himachal Pradesh	55673	3224	6381	5074	14679
Jammu & Kashmir	222236	4140	8760	9639	22539
Jharkhand	79714	2590	9917	10470	22977
Karnataka	191791	1777	20179	14238	36194
Kerala	38863	1442	9394	6464	17300
Madhya Pradesh	308245	6640	34986	36074	77700
Maharashtra	307713	8736	20815	21095	50646
Manipur	22327	730	6151	10209	17090
Meghalaya	22429	433	9775	7067	17275
Mizoram	21081	134	6086	12897	19117
Nagaland	16579	1293	4931	7094	13318
Orissa	155707	7060	21366	20477	48903
Punjab	50362	0	736	1028	1764
Rajasthan	342239	72	4448	11567	16007
Sikkim	7096	500	2161	698	3359
Tamil Nadu	130058	2948	10321	10356	23625
Tripura	10486	109	4686	3182	7977
Uttar Pradesh	240928	1626	4559	8153	14338
Uttarakhand	53483	4752	14167	5567	24496
West Bengal	88752	2984	4646	5365	12995
A & N Islands	8249	3761	2416	547	6724
Chandigarh	114	1	10	6	17
Dadra & Nagar Haveli	491	0	114	97	211
Daman & Diu	112	0	0.62	5.53	6
Lakshadweep	32	0	17.18	0.88	27
Puducherry	480	0	35.37	14.69	50
Total=	3287263	83471	320736	287820	692027

Source: India State of Forest Report, 2011

Appendix- 5

State-wise details of the Protected Area Network of the country

S. No.	State/UT	No. of National Parks	No. of Wildlife Sanctuaries	No. of Conservation Reserves	No. of Community Reserves
1	Andhra Pradesh	6	21	0	0
2	Arunachal Pradesh	2	11	0	0
3	Assam	5	18	0	0
4	Bihar	1	12	0	0
5	Chhattisgarh	3	11	0	0
6	Goa	1	6	0	0
7	Gujarat	4	23	1	0
8	Haryana	2	8	2	0
9	Himachal Pradesh	5	32	0	0
10	Jammu & Kashmir	4	15	34	0
11	Jharkhand	1	11	0	0
12	Karnataka	5	22	2	1
13	Kerala	6	16	0	1
14	Madhya Pradesh	9	25	0	0
15	Maharashtra	6	35	1	0
16	Manipur	1	1	0	0
17	Meghalaya	2	3	0	0
18	Mizoram	2	8	0	0
19	Nagaland	1	3	0	0
20	Orissa	2	18	0	0
21	Punjab	0	12	1	2
22	Rajasthan	5	25	3	0
23	Sikkim	1	7	0	0
24	Tamil Nadu	5	21	1	0
25	Tripura	2	4	0	0
26	Uttar Pradesh	1	23	0	0
27	Uttaranchal	6	6	2	0
28	West Bengal	5	15	0	0
29	Andaman & Nicobar	9	96	0	0
30	Chandigarh	0	2	0	0
31	Dadar & Nagar Haveli	0	1	0	0
32	Lakshadweep	0	1	0	0
33	Daman & Diu	0	1	0	0
34	Delhi	0	1	0	0
35	Pondicherry	0	1	0	0
	TOTAL	102	515	47	4

Source: Annual Report 2011-12, Forest Survey of India

Rank In 2011	India/State/Union Territory #	Population 2011	Percent to total population of India		Rank in 2001
			2011	2001	
1	2	3	4	5	6
	INDIA	1,21,01,93,422	100.00	100.00	
1	Uttar Pradesh	19,95,81,477	16.49	16.16	1
2	Maharashtra	11,23,72,972	9.29	9.42	2
3	Bihar	10,38,04,637	8.58	8.07	3
4	West Bengal	9,13,47,736	7.55	7.79	4
5	Andhra Pradesh	8,46,65,533	7.00	7.41	5
6	Madhya Pradesh	7,25,97,565	6.00	5.87	7
7	Tamil Nadu	7,21,38,958	5.96	6.07	6
8	Rajasthan	6,86,21,012	5.67	5.49	8
9	Karnataka	6,11,30,704	5.05	5.14	9
10	Gujarat	6,03,83,628	4.99	4.93	10
11	Orissa	4,19,47,358	3.47	3.58	11
12	Kerala	3,33,87,677	2.76	3.10	12
13	Jharkhand	3,29,66,238	2.72	2.62	13
14	Assam	3,11,69,272	2.58	2.59	14
15	Punjab	2,77,04,236	2.29	2.37	15
16	Chhattisgarh	2,55,40,196	2.11	2.03	17
17	Haryana	2,53,53,081	2.09	2.06	16
18	NCT of Delhi #	1,67,53,235	1.38	1.35	18
19	Jammu & Kashmir	1,25,48,926	1.04	0.99	19
20	Uttarakhand	1,01,16,752	0.84	0.83	20
21	Himachal Pradesh	68,56,509	0.57	0.59	21
22	Tripura	36,71,032	0.30	0.31	22
23	Meghalaya	29,64,007	0.24	0.23	23
24	Manipur	27,21,756	0.22	0.22	24
25	Nagaland	19,80,602	0.16	0.19	25
26	Goa	14,57,723	0.12	0.13	26
27	Arunachal Pradesh	13,82,611	0.11	0.11	27
28	Puducherry #	12,44,464	0.10	0.09	28
29	Mizoram	10,91,014	0.09	0.09	30
30	Chandigarh #	10,54,686	0.09	0.09	29
31	Sikkim	6,07,688	0.05	0.05	31
32	Andaman & Nicobar Islands #	3,79,944	0.03	0.03	32
33	Dadra & Nagar Haveli #	3,42,853	0.03	0.02	33
34	Daman & Diu #	2,42,911	0.02	0.02	34
35	Lakshadweep #	64,429	0.01	0.01	35