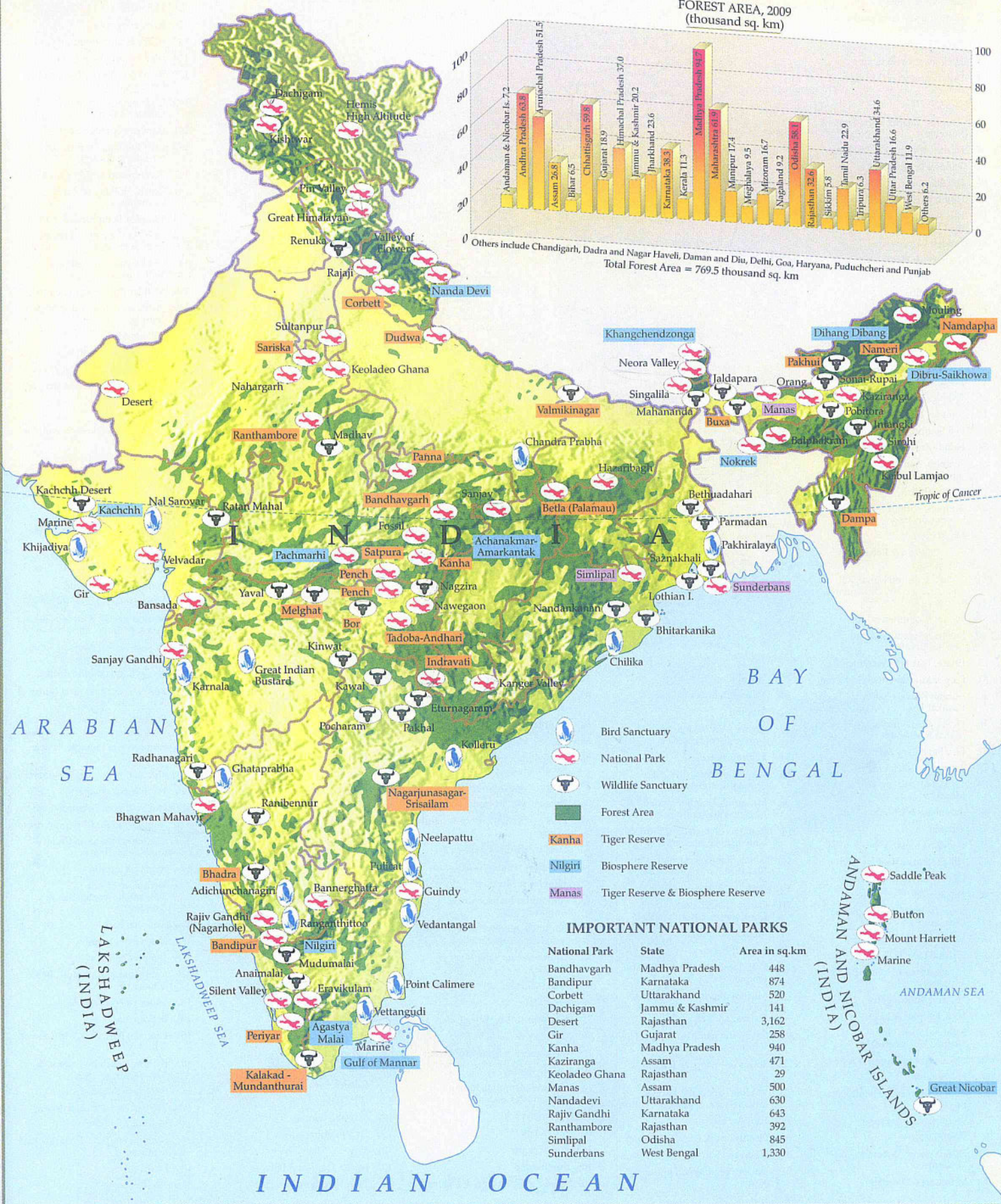
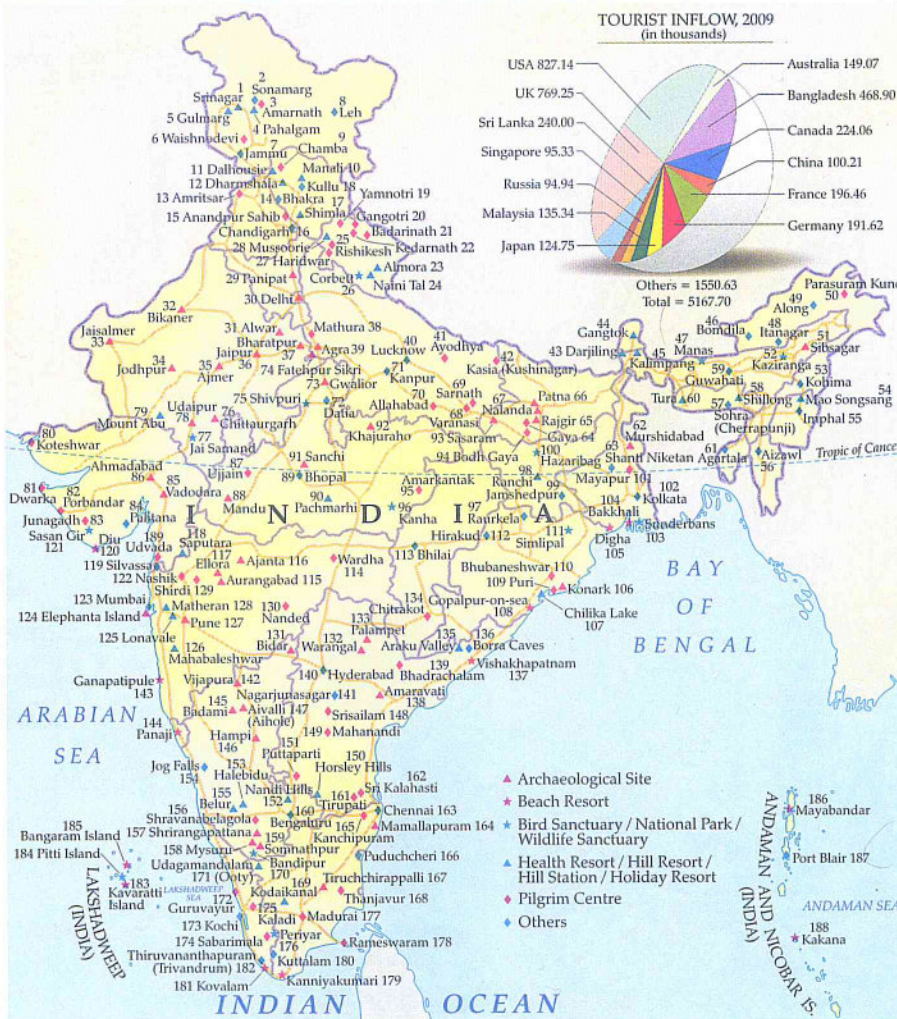




Lambert Conical Orthomorphic Projection
 280 140 0 280 km
 Scale 1: 14 000 000



1. Holiday resort, Dal lake, Gardens & Lakes
2. Camping site & 'Meadow of Gold' (flowers)
3. Cave Temple
4. Holiday resort & fishing
5. Holiday resort & 'Meadow of flowers'
6. Temple
7. Temples, Palaces, Fort, Tombs & Museums
8. Palaces, Mosques & Trekking
9. Temples & Museums
10. Hill Station
11. Holiday resort & Hill Station
12. Hill Station & Headquarter of the Dalai Lama
13. Golden Gurudwara
14. Dam site & Picnic spot
15. Sikh pilgrim centre
16. Planned city
17. Health resort
18. Valley, Trekking & Trout fishing
19. Temples, Hot Springs & Source of the Yamuna River
20. Temples & Source of the Ganga River
21. Temples & Hot Springs
22. Temples & Hindu pilgrim centre
23. Hill Station, Temples & Ashrams
24. Holiday resort & Lakes
25. Temples, Ashrams & Hindu pilgrim centre
26. National Park
27. Temples, Ashrams & Hindu pilgrim centre
28. Hill station
29. Historic town & Babar's Mosque
30. Red Fort, Qutub Minar, Raj Ghat, India Gate, Parliament House
31. Rajput Monuments
32. Karni Devi temple, famous heaven of rats
33. Palace, Fort & Desert town
34. Rajput Monuments & Museum
35. Dargah Khwaja Sahib & Pushkar Lake
36. Jai Singh's Observatory, Hawa Mahal & Museum
37. Bird Sanctuary & Fort
38. Temples & Museums
39. Taj Mahal, Palaces, Fort & Museums
40. Imambara & Chhattar Manzil
41. Temples
42. Buddhist remains
43. Hill Station & Health resort
44. Hill Station & Trekking
45. Hill Station
46. Scenery, Buddhist temples & Museum
47. National Park & Fishing
48. Natural Lake & Ashram
49. Ramakrishna Ashram, Tribal temples
50. Hindu Pilgrim centre
51. Fort, Temples & Lakes
52. National Park (One Horned Rhinoceros)
53. Floral wealth, Museum & Park
54. Hill Station
55. Manipur dance & Handloom products
56. Scenic beauty & Fruits
57. Water Falls
58. Health resort, Water Falls & Museums
59. Museums & Temples



60. Hill Station & Hiking
61. Palaces, Temples & Lakes
62. Motijhil
63. Tagore's Viswa Bharati University of Fine Arts
64. Pilgrim centre
65. Jain & Buddhist sites, Hot Springs & Ropeway
66. Museums, Golghar Granary & Ancient Pataliputra ruins
67. Remains of ancient Buddhist University & Museum
68. Ghats, Temples, Sarnath Buddhist Remains & Museum
69. Buddhist Vihara & Museum
70. Ganga, Yamuna & Saraswati Confluence & Kumbha Mela
71. Memorial Garden
72. Govind Palace
73. Fort, Tomb, Palaces & Sas Bahu temples
74. Muslim pilgrim centre, Forts, Palaces, Mosques & Buland Darwaza
75. Lakes, Big game hunting & Hill station
76. Tower of Victory & Temple of Virji
77. Wildlife Sanctuary, Largest artificial lake, Fishing & Boating
78. Lake & Palaces
79. Health resort, Dilwara temples
80. Narayana Sarovar lake & Beach
81. Ancient temples & Pilgrim centre
82. Birthplace of Mahatma Gandhi
83. Asokan Inscription, Rock-cut caves & Jain temples
84. Temples & Shatrunjaya Hill
85. Palaces, Museums & Art Gallery
86. Ancient monuments & Sabarmati Ashram
87. Pilgrim Centre & Koshak Palace
88. Palaces, Fort, Mosques & Tombs
89. Palaces, Gardens, Forts & Taj-ul-Masjid
90. Health resort & Caves
91. Buddhist remains & Museum
92. Temples & Museum
93. Antiquities Mausoleum & Antiques
94. Buddhist pilgrim centre, Bodhi temple & Monasteries
95. Source of Narmada River & Temples
96. National Park
97. Steel Plant
98. Health resort & Water Falls
99. Steel city & Gardens
100. National Park & Holiday resort
101. Iskon temple
102. Victoria Memorial, Indian Museum & Gardens
103. National Park
104. Beach resort
105. Beach resort
106. Sun temple
107. Lake, Holiday resort & Fishing
108. Beach resort
109. Jagannath temple
110. Lingaraja temple & Khandagiri caves
111. National Park & Water Falls
112. Dam site & Fishing
113. Steel Plant
114. Mahatma Gandhi's 'Sevagram' Ashram
115. Rock-cut caves & Bibi-ka-Maqubara
116. Rock-cut caves, Paintings & Sculptures
117. Rock-cut caves, Paintings & Sculptures
118. Hill Station
119. Temple & Garden
120. Beach, Forts & Churches
121. National Park & Lion Sanctuary
122. Temples & pilgrim centre
123. Gateway of India, Hanging Garden, Museum & Kanheri caves
124. Rock-cut caves
125. Hill Station
126. Health resort, Lakes & Water Falls
127. Palaces, Park & Museum
128. Hill Station
129. Sai Baba temple
130. Sikh pilgrim centre
131. Fort
132. Fort & Thousand Pillar temple
133. Temple & Ramappa lake
134. Water Falls & Pilgrim centre
135. Hill Station
136. Rock-cut caves
137. Beach & Ship-building yards
138. Buddhist remains
139. Rama temple on the banks of River Godavari
140. Charminar, Museum, Zoo & Golconda Fort
141. Dam site & Picnic spot
142. Gol Gumbaz, Mausoleum, Mosque & Towers
143. Beach resort & Ganapati temple
144. Beach, Holiday resort & Churches
145. Temples, Sculptures & Fort
146. 14 sq. km of ruins of temples, Forts & Palaces
147. Chalukyan style temples & Sculptures
148. Mallikarjuna Swamy temple
149. Picnic spot, Mineral springs & Temples
150. Hill Station
151. Satya Sai Baba Ashram
152. Holiday resort & Pilgrim centre
153. Ancient Hoysala style temples & Sculptures
154. Water Falls
155. Ancient Hoysala style temples & Sculptures
156. Jain pilgrim centre & Gomateswara statue
157. Fort, Museum & Mosque
158. Palaces, Garden, Zoo & Museums
159. Ancient Hoysala style temples & Sculptures
160. Fort, Palace of Tipu Sultan & Gardens
161. Venkateswara temple
162. Kalahasteswara temple
163. Marina Beach, Fort, Museums, Zoo & National Park
164. Pallava Rock-cut caves, Shore temple & Sculptures
165. Temples & Handloom silks
166. Beach, French cultural centre & Aurobindo Ashram
167. Fort, Rock temples & Rock-cut caves
168. Brihadeswara temple, Fort & Museum
169. Hill Station & Solar observatory
170. Wildlife Sanctuary
171. Hill Station & Botanical garden
172. Temples & Hindu pilgrim centre
173. Churches (Vasco da Gama's tomb) & Harbour
174. Ayyappa temple
175. Birthplace of Adi Sankaracharya, Shrines & Ashrams
176. National Park
177. Meenakshi temple
178. Temples & Beach
179. Kanniyakumari temple, Beach & Land's End
180. Water Falls & Temple
181. Beach resort
182. Beaches, Fort, Zoo & Museum & Temples
183. Bathing Beach by Lagoon & Marine life
184. Sanctuary of sea birds
185. Beach resort & Scuba diving
186. Beach
187. Beach, Cellular Jail, Marine Park & Museum
188. Beach
189. Fire Temple



1: 15,000,000 (1cm to 150 km)

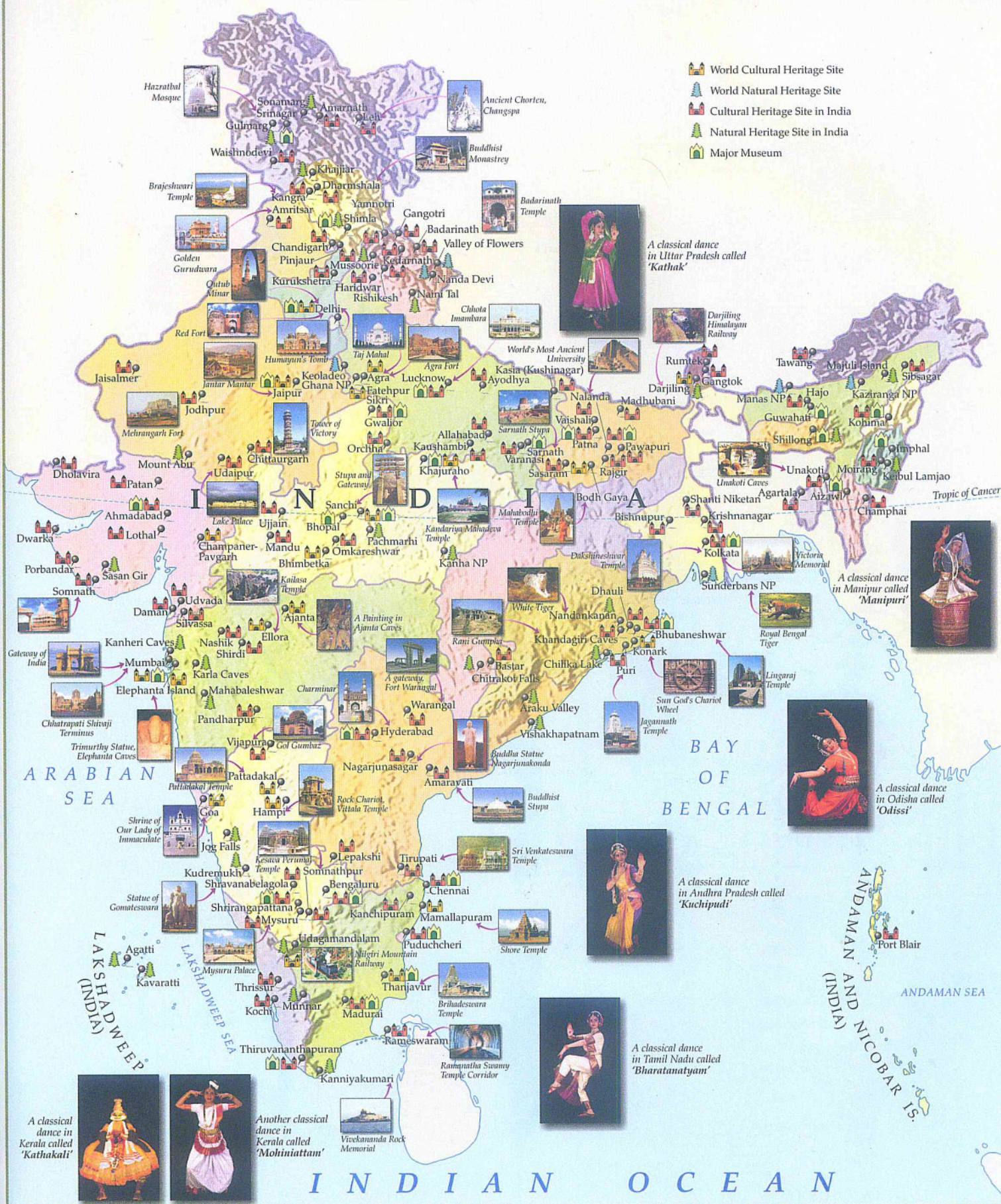
0 150 300 km
Scale

Projection: Lambert Conical Orthomorphic

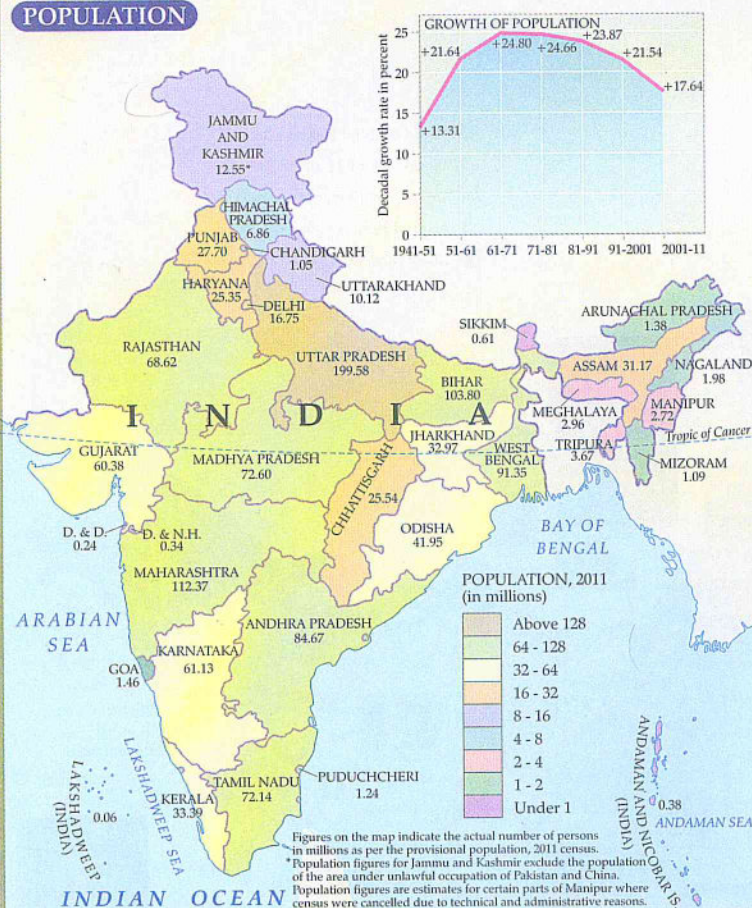
INDIA — POLITICAL

11

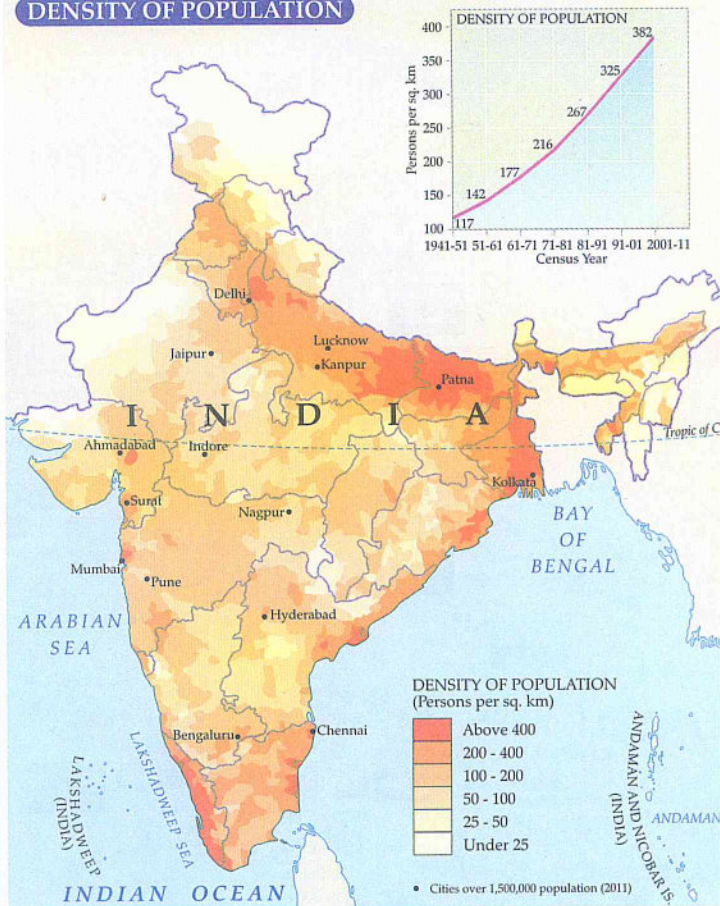




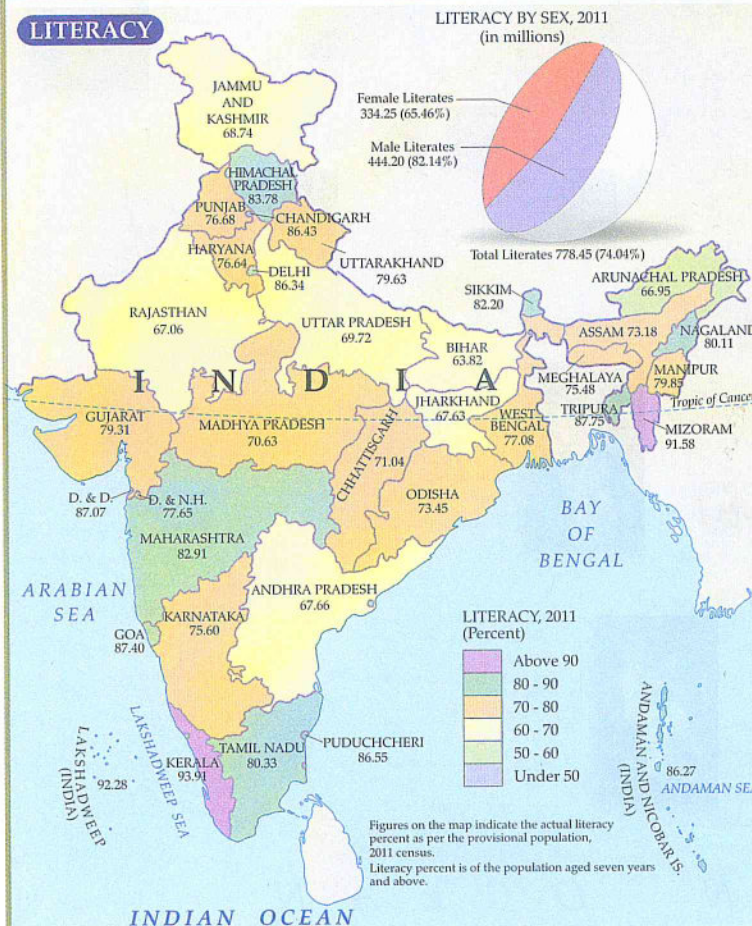
POPULATION



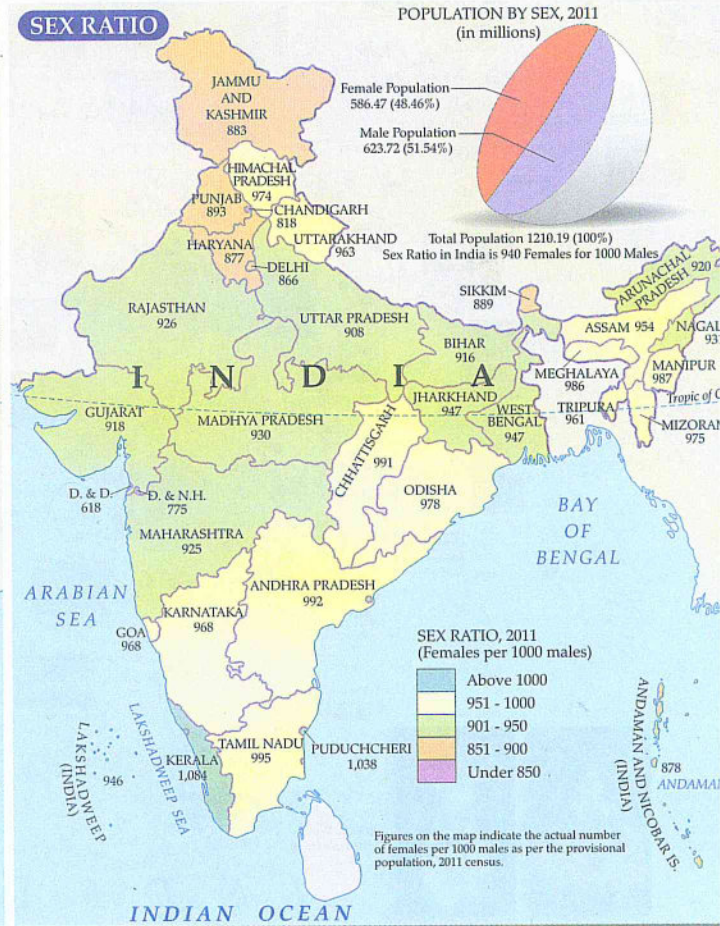
DENSITY OF POPULATION



LITERACY



SEX RATIO

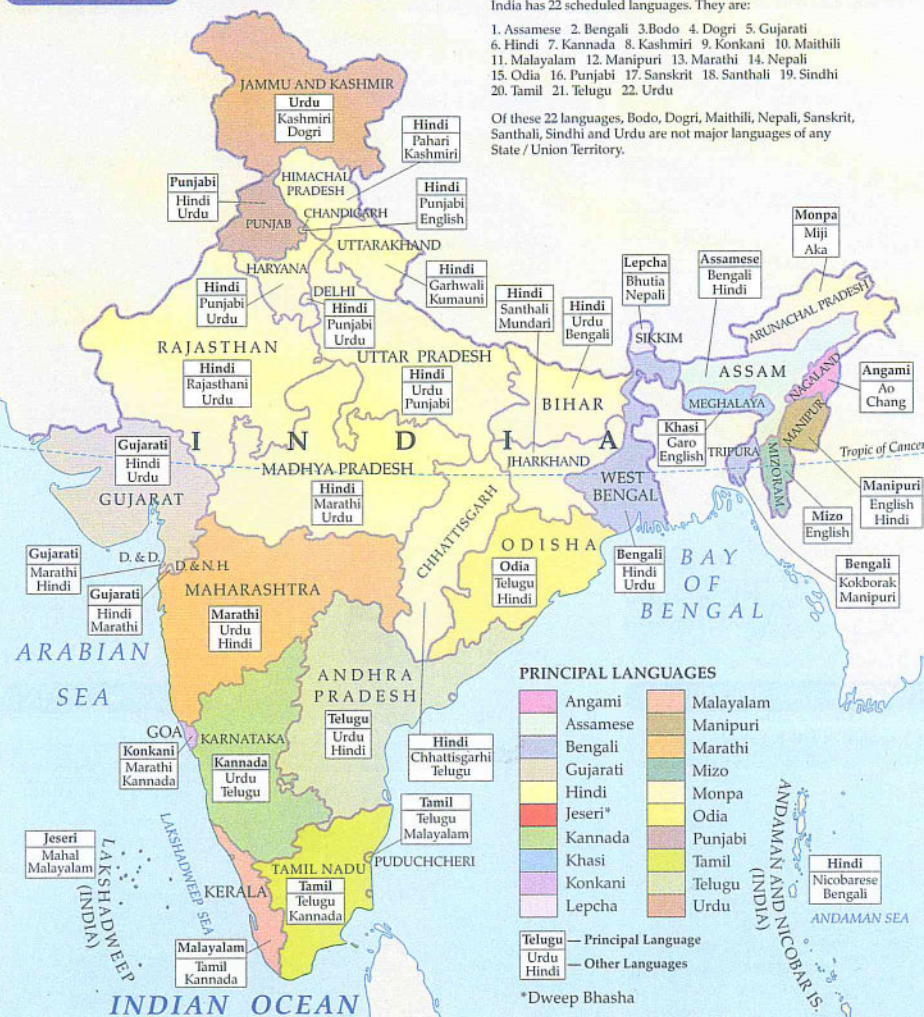


LANGUAGES

India has 22 scheduled languages. They are:

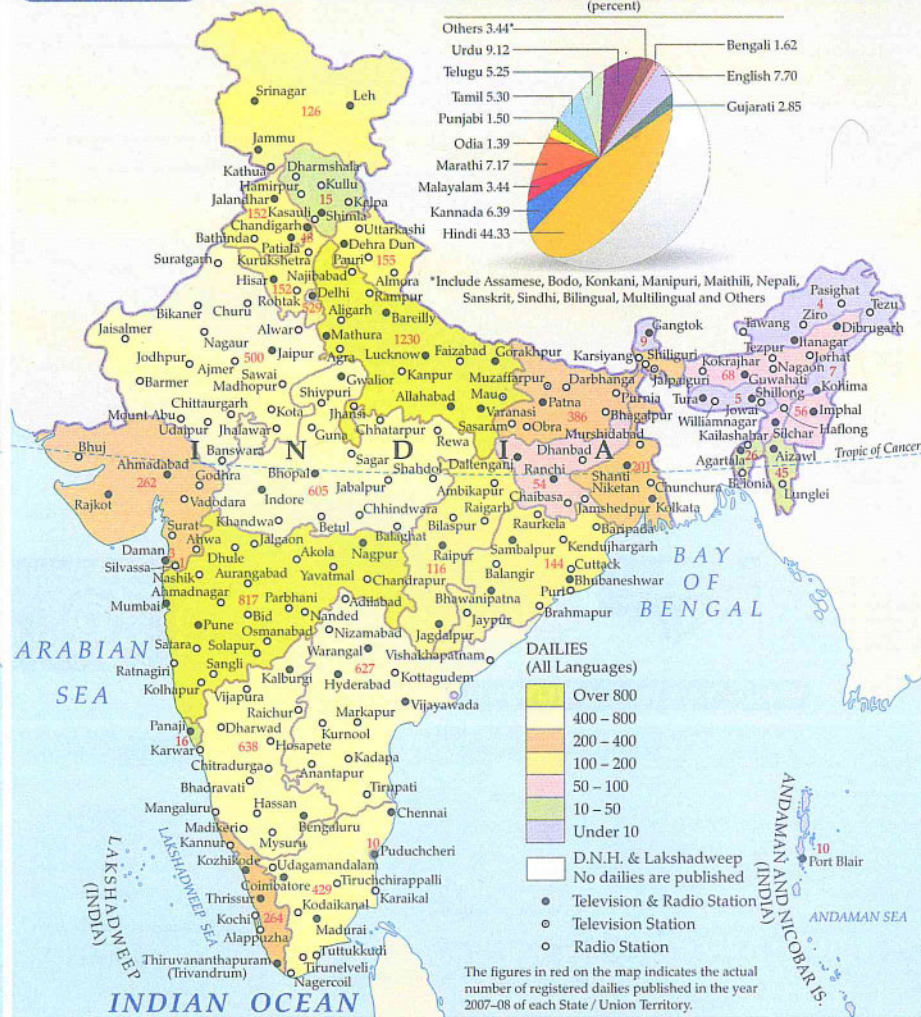
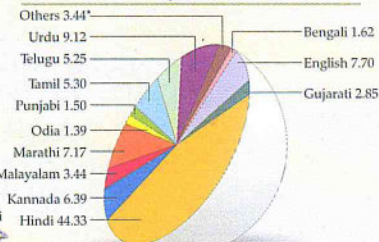
1. Assamese
2. Bengali
3. Bodo
4. Dogri
5. Gujarati
6. Hindi
7. Kannada
8. Kashmiri
9. Konkani
10. Maithili
11. Malayalam
12. Manipuri
13. Marathi
14. Nepali
15. Odia
16. Punjabi
17. Sanskrit
18. Santhali
19. Sindhi
20. Tamil
21. Telugu
22. Urdu

Of these 22 languages, Bodo, Dogri, Maithili, Nepali, Sanskrit, Santhali, Sindhi and Urdu are not major languages of any State / Union Territory.

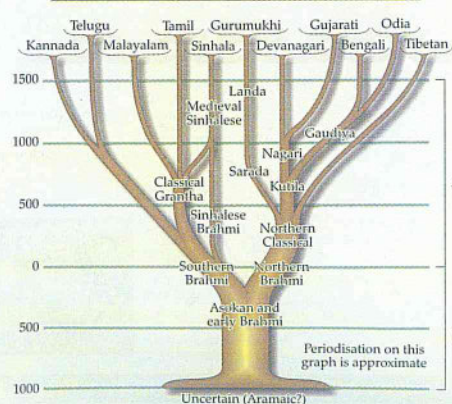


MASS MEDIA

CIRCULATION OF DAILIES, 2007 - 2008 (percent)



EMERGENCE OF MAJOR INDIAN SCRIPTS

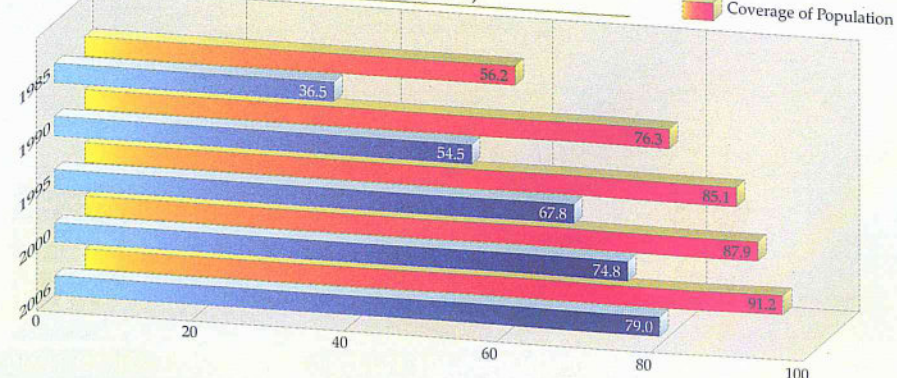


SCRIPTS OF THE SCHEDULED LANGUAGES

পাঁচ নং টোকা	Assamese
পাঁচ নং টোকা	Bengali
પાંચ નં ટોકા	Gujarati
ಪಾಂಚ ನಂ ಟುಕಾ	Kannada
پانچوں رپيا	Kashmiri
पांचों रुपया	Konkani
പാഞ്ചൻ രൂപയ	Malayalam
पांच सय रुपियां	Marathi
ପାଞ୍ଚ ଶହ ଟଙ୍କା	Nepali
ਪਾਂਚ ਸੌ ਰੁਪਏ	Odia
ਪੰਜ ਸੌ ਰੁਪਏ	Punjabi
पञ्चशतं रुपयकानि	Sanskrit
ஐந்து ரூபாய்	Tamil
పంచశతం రూపాయ	Telugu
پانچ سو روپيا	Urdu

Shown on the left are the fifteen scripts of the twenty two scheduled languages. These scripts appear on the latest currency notes of all denominations.

GROWTH OF DOORDARSHAN NETWORK (Percent)



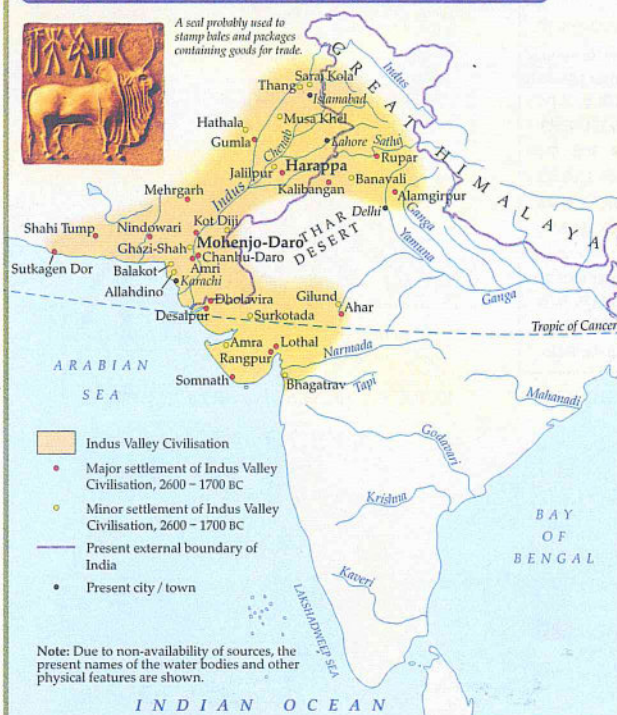
Projection: Lambert Conformal Orthomorphic

INDIA — LANGUAGES AND MASS MEDIA

INDUS VALLEY CIVILISATION 2600 - 1700 BC



A seal probably used to stamp bales and packages containing goods for trade.



BHARATVARSHA SIXTH CENTURY BC*



A stone sculpture depicting an episode from the Mahabharata.



EMPIRE OF ASHOKA 250 BC



The four lions from one of the Ashoka pillars. Today this is India's national emblem.



INDIA IN AD 150



A sculpture of the Kushan period.



EMPIRE OF THE GUPTAS



The ceiling of one of the caves, Ajanta. Great architectural skill is seen in the rock cut caves of the Gupta period.



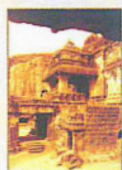
EMPIRE OF HARSHAVARDHANA, AD 646



The stupa site from the remains of the University of Nalanda. Harsha supported Nalanda. He gave grants for its upkeep from the revenue collected from a hundred large villages.

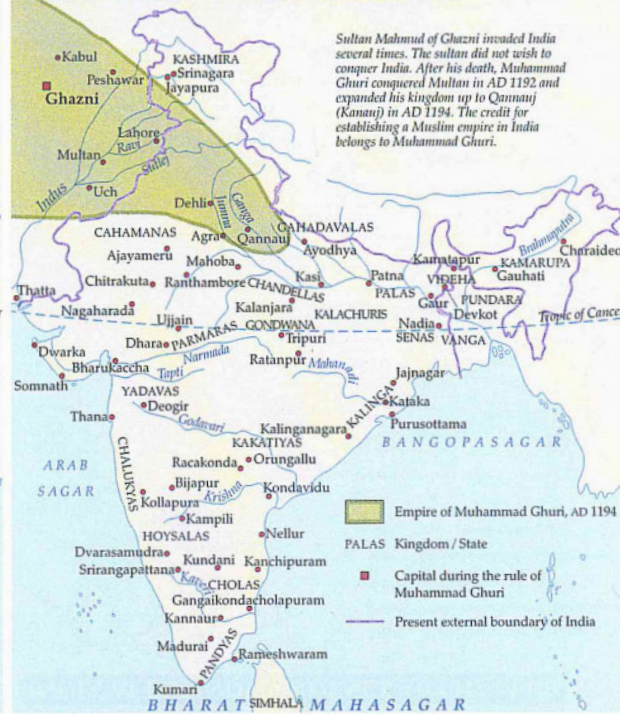


INDIA DURING THE NINTH CENTURY



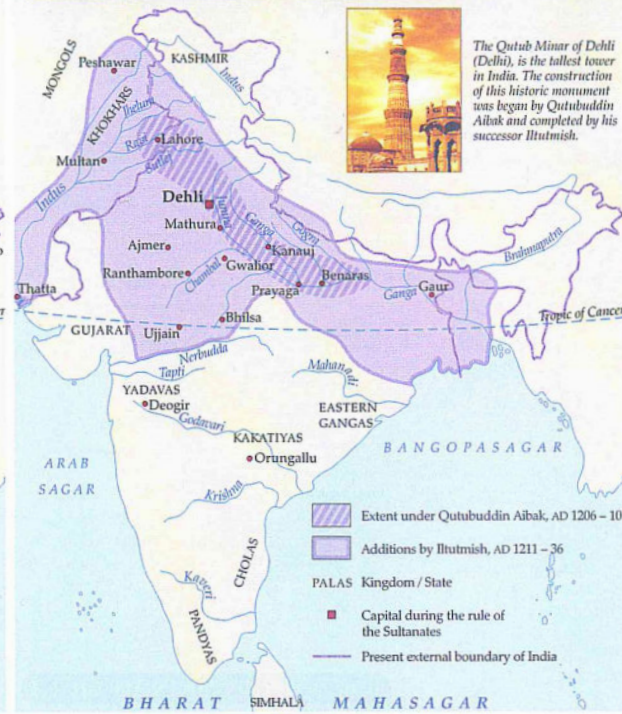
Kailasa Temple, Ellora. This spectacular temple was built during the rule of the Rashtrakutas.

INVASION OF GHURI, AD 1192 – 1206



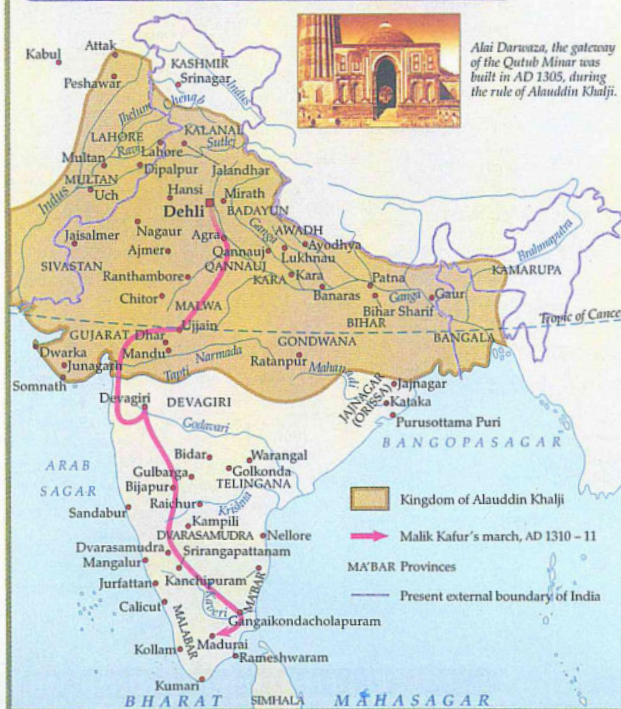
Sultan Mahmud of Ghazni invaded India several times. The sultan did not wish to conquer India. After his death, Muhammad Ghuri conquered Multan in AD 1192, and expanded his kingdom up to Qannauj (Kannauj) in AD 1194. The credit for establishing a Muslim empire in India belongs to Muhammad Ghuri.

SULTANATES OF DEHLI, AD 1206 – 1236



The Qutub Minar of Delhi (Delhi), is the tallest tower in India. The construction of this historic monument was begun by Qutubuddin Aibak and completed by his successor Iltutmish.

ALAUDDIN KHALJI'S KINGDOM AD 1316



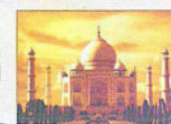
Alai Darwaza, the gateway of the Qutub Minar was built in AD 1305, during the rule of Alauddin Khalji.

MUHAMMAD BIN TUGLAQ'S KINGDOM AD 1335



Daulatabad Fort. Daulatabad was the capital during the rule of Muhammad Bin Tuglaq in AD 1327.

GREAT MUGHAL EMPIRE AD 1539 – 1707



The Taj Mahal, one of the most famous buildings in the world was built by the Mughal ruler and father of Aurangzeb, Shah Jahan. It took 22 years to complete at a cost of Rs. 50 lakh. About 20,000 skilled workers were involved in the construction.

Projection: Lambert Conformal Orthomorphic

Scale
0 360 720 km

BEGINNING OF BRITISH RULE, AD 1772



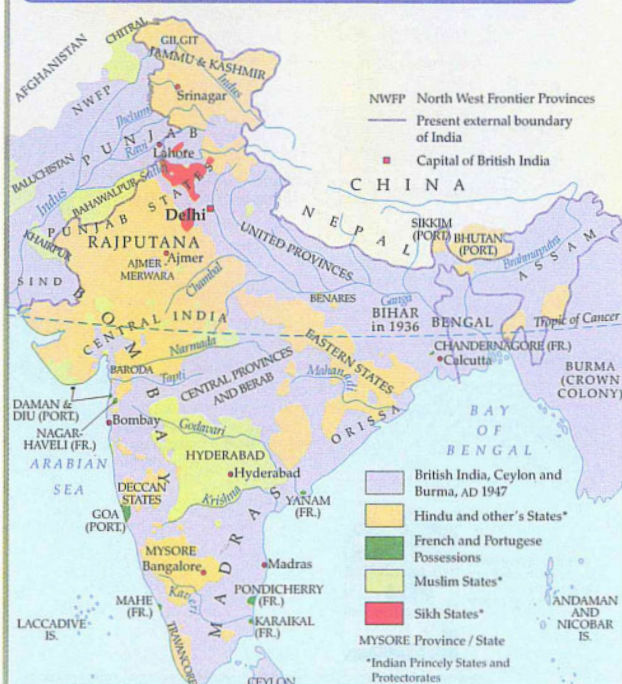
EXTENT UNDER BRITISH AFTER DALHOUSIE AD 1857



INDIA IN THE EARLY TWENTIETH CENTURY



INDIA BEFORE INDEPENDENCE AD 1913 – 1947

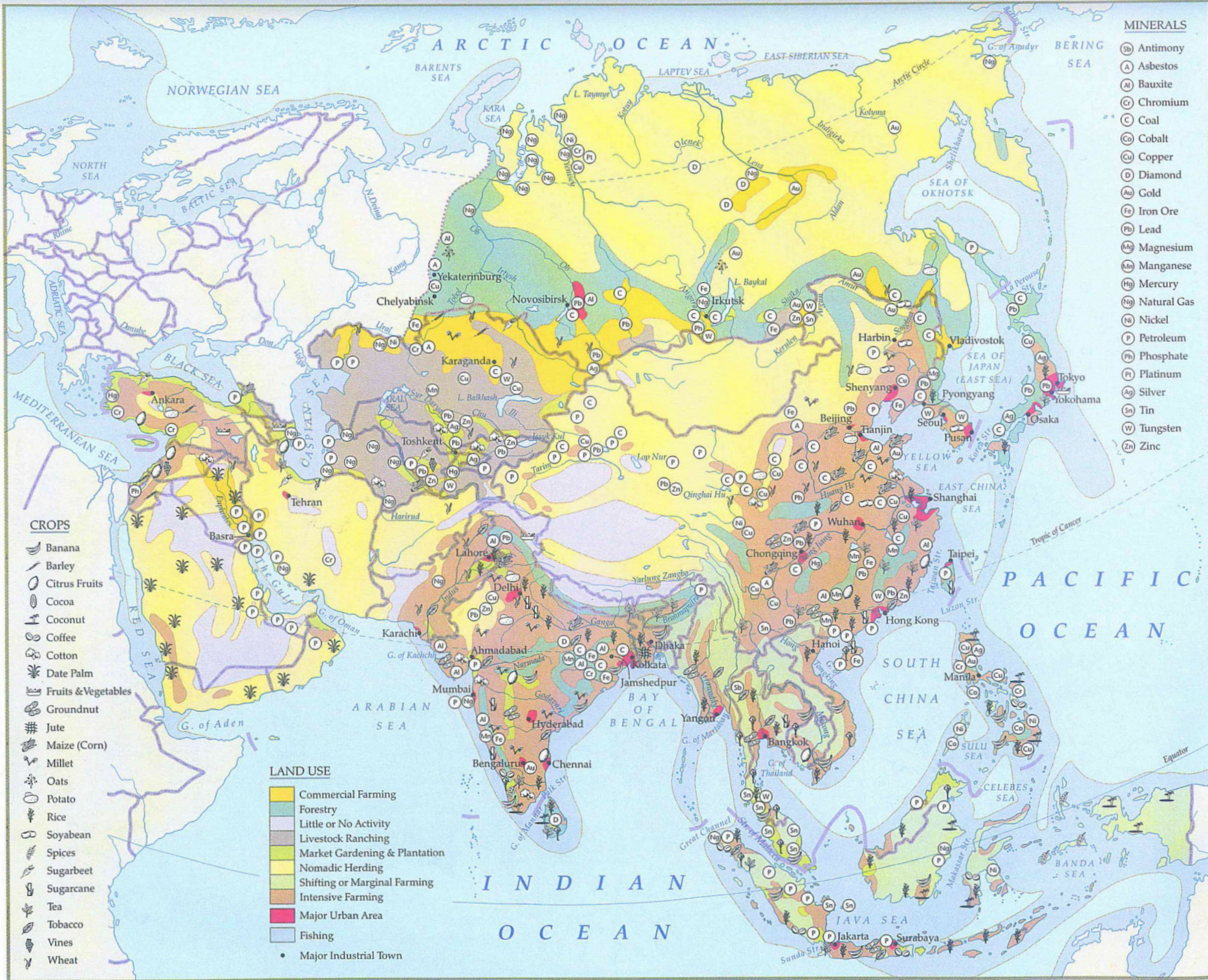


INDIA AFTER INDEPENDENCE AD 1947 – 1956



INDIA DURING AD 1956 – 2010





Scale
0 500 1000 km
Projection: Bonne

ASIA — ECONOMY

MINERALS

- (Sb) Antimony
- (A) Asbestos
- (N) Bauxite
- (Cr) Chromium
- (C) Coal
- (Co) Cobalt
- (Cu) Copper
- (D) Diamond
- (Au) Gold
- (Fe) Iron Ore
- (Pb) Lead
- (Mg) Magnesium
- (Mn) Manganese
- (Hg) Mercury
- (Ng) Natural Gas
- (Ni) Nickel
- (P) Petroleum
- (Ph) Phosphate
- (Pt) Platinum
- (Ag) Silver
- (Sn) Tin
- (W) Tungsten
- (Zn) Zinc

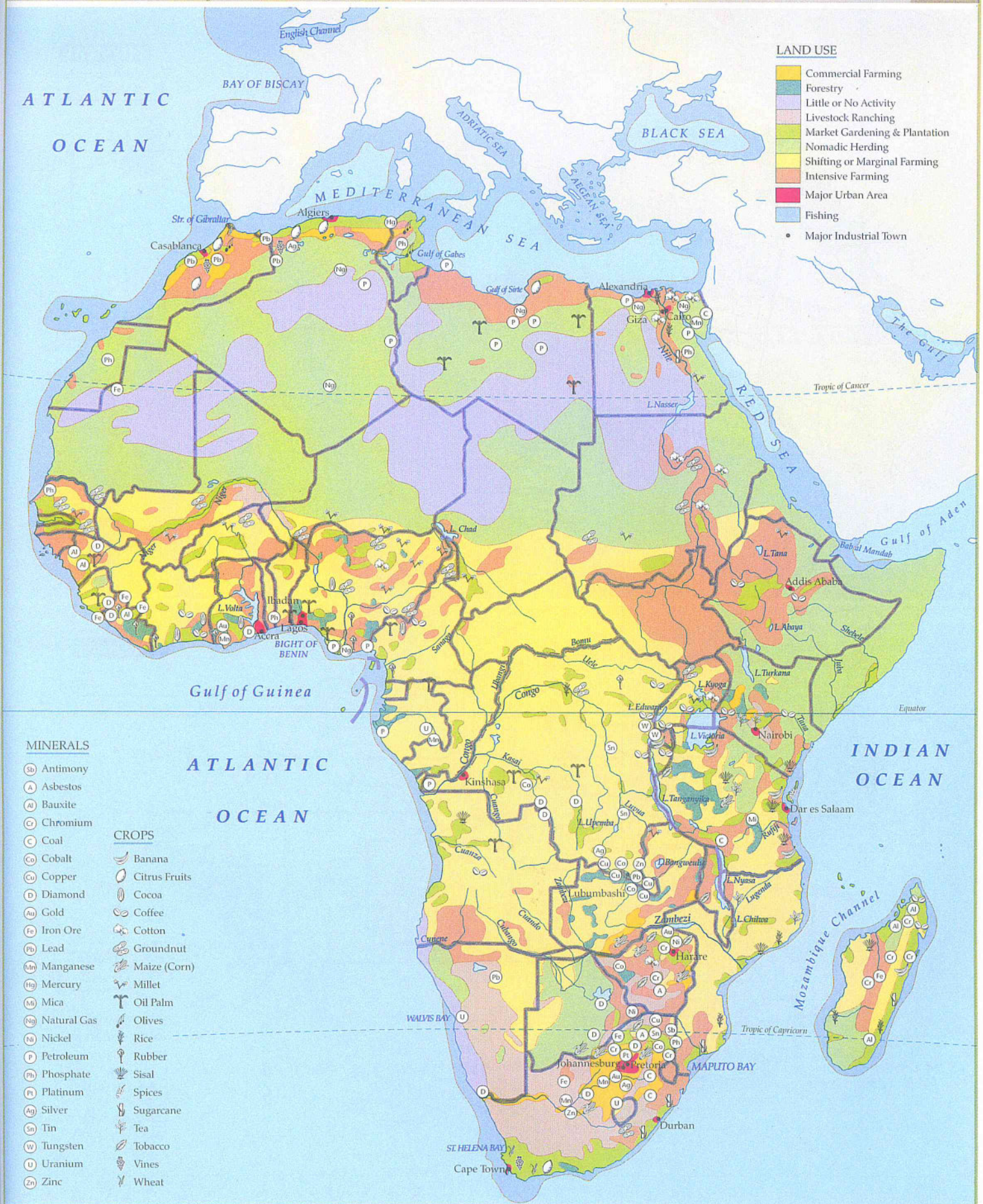
CROPS

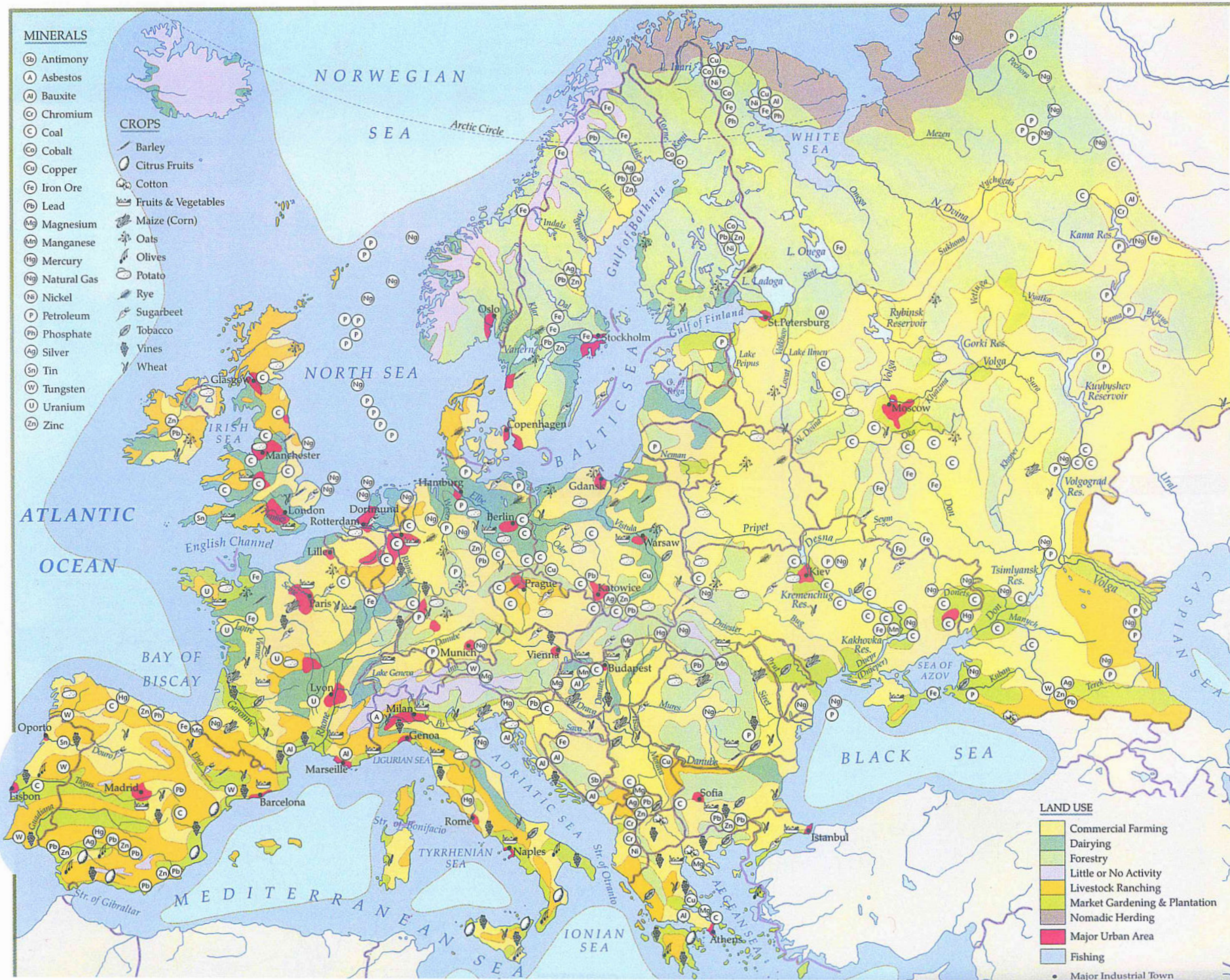
- Banana
- Barley
- Citrus Fruits
- Cocoa
- Coconut
- Coffee
- Cotton
- Date Palm
- Fruits & Vegetables
- Groundnut
- Jute
- Maize (Corn)
- Millet
- Oats
- Potato
- Soyabean
- Spices
- Sugarbeet
- Sugarcane
- Tea
- Tobacco
- Vines
- Wheat

LAND USE

- Commercial Farming
- Forestry
- Little or No Activity
- Livestock Ranching
- Market Gardening & Plantation
- Nomadic Herding
- Shifting or Marginal Farming
- Intensive Farming
- Major Urban Area
- Fishing
- Major Industrial Town





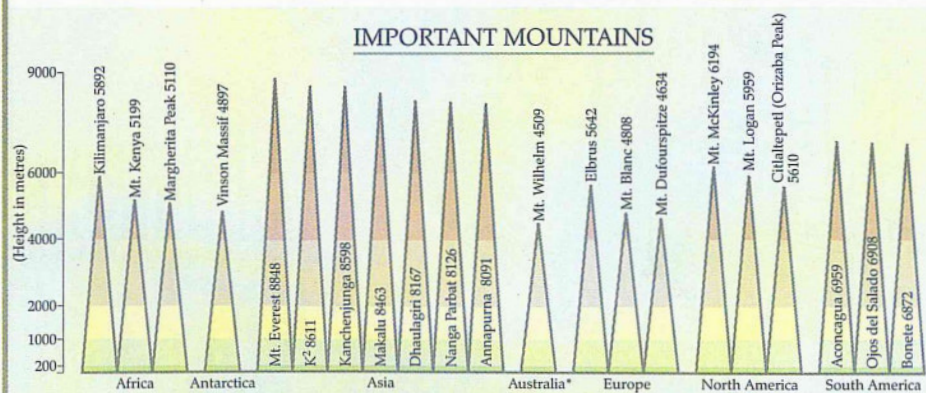


1:125,000,000 (1cm to 1250 km)
0 1250 2500 km
Scale
Projection: Hammer Equal Area

WORLD — PHYSICAL

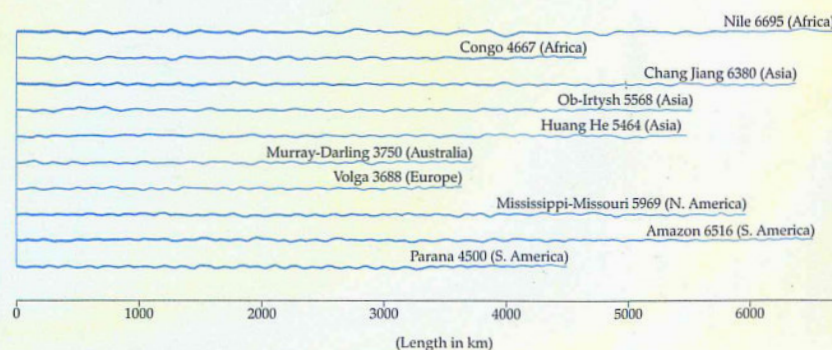


IMPORTANT MOUNTAINS



*Australia includes Oceania

IMPORTANT RIVERS



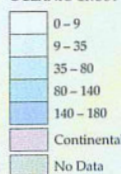


1: 158,000,000 (from 1,580 km)
 0 1,580 3,160 km
 Scale
 Projection: Gall's

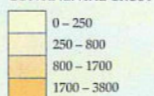
WORLD — TECTONICS AND NATURAL HAZARDS

EARTH'S CRUST (age in million years)

OCEANIC CRUST



CONTINENTAL CRUST



- Divergent Boundary
- Convergent Boundary
- Transform Zone
- Notable Earthquake
- Notable Volcanic Eruption
- Notable Tropical Storm
- Notable Tsunami
- Major Hot Spot



Satellite image of Kalutara town in Western province, Sri Lanka before tsunami.

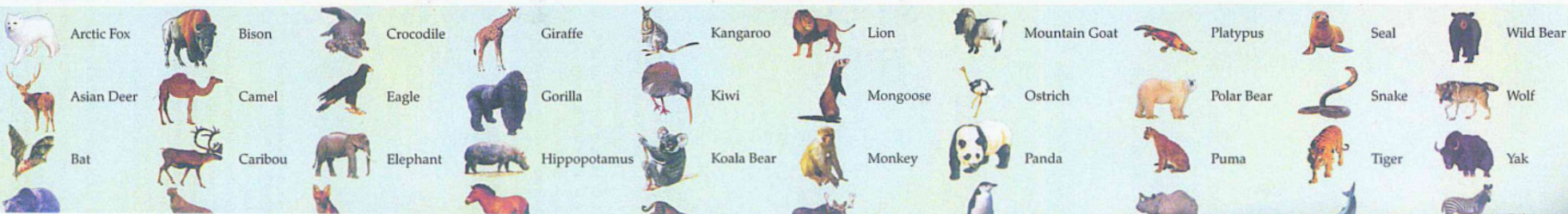
Giant killer waves of tsunami. As the waves reach the shore, the speed would be 40 km/hr, and height about 10 metres.

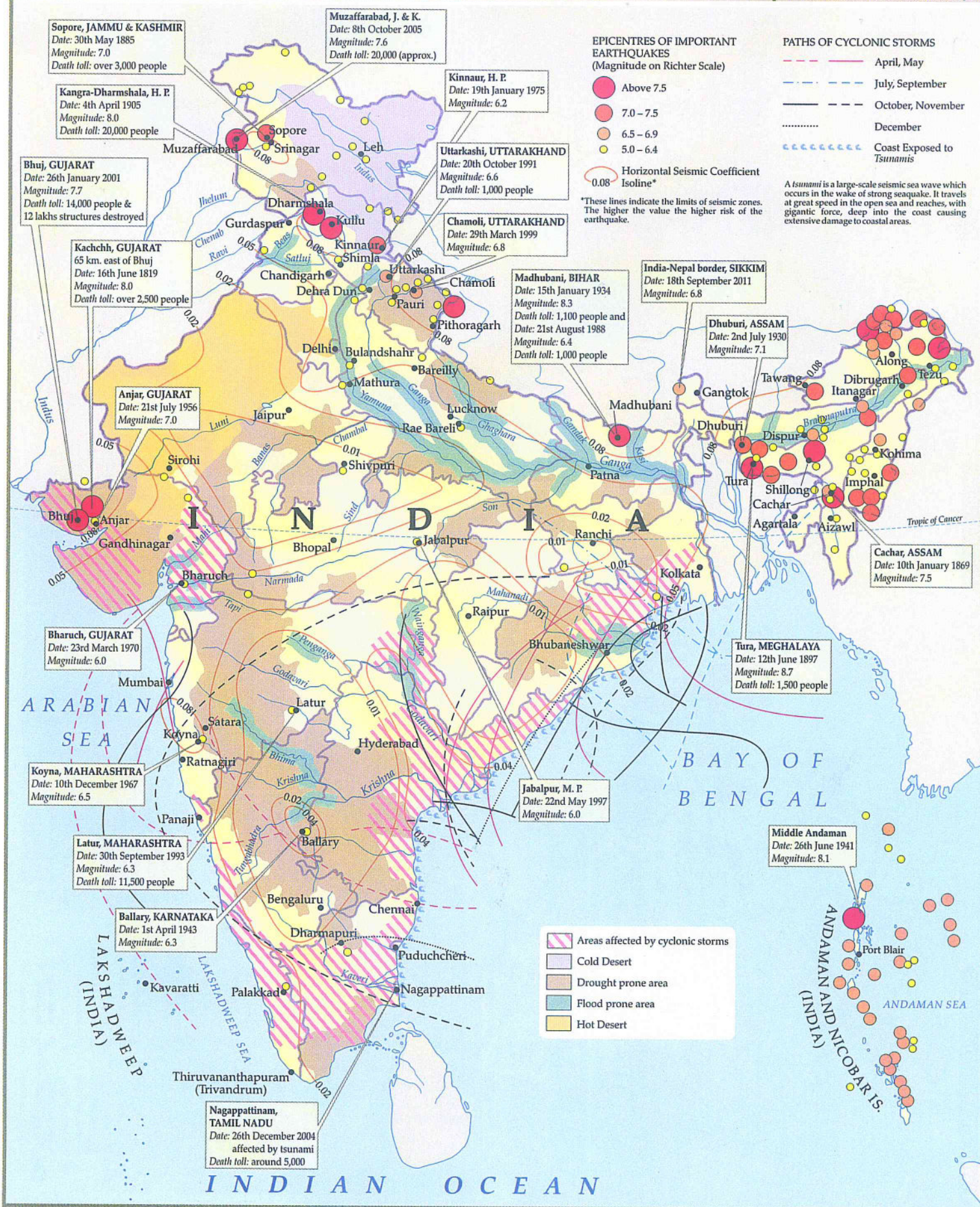


Satellite image of Kalutara town in Western province, Sri Lanka after tsunami occurred on 26th December 2004. This is one of the most serious natural disasters that took lives of a large number of people and caused extensive damage to the countries of Indonesia, Sri Lanka, India and Philippines.



Wildlife under threat is shown thus...

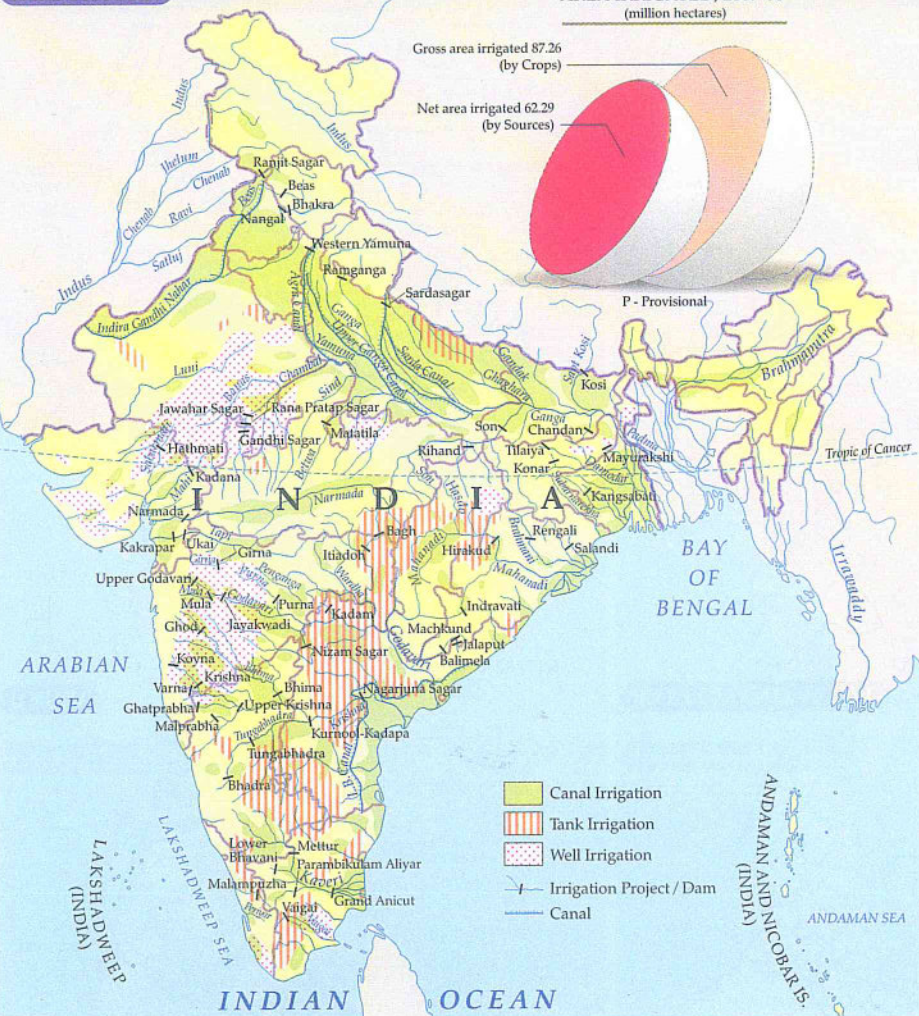




IRRIGATION

AREA IRRIGATED, 2007-08^a
(million hectares)

Gross area irrigated 87.26
(by Crops)
Net area irrigated 62.29
(by Sources)



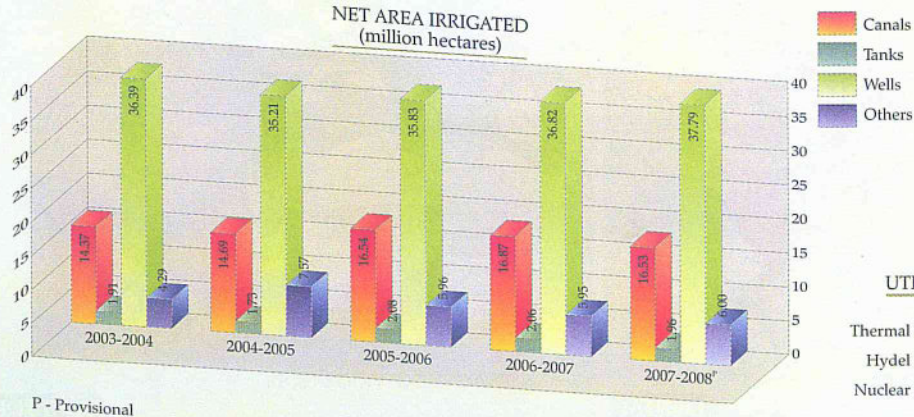
POWER GENERATION

ELECTRICITY CONSUMPTION, 2008-2009^a

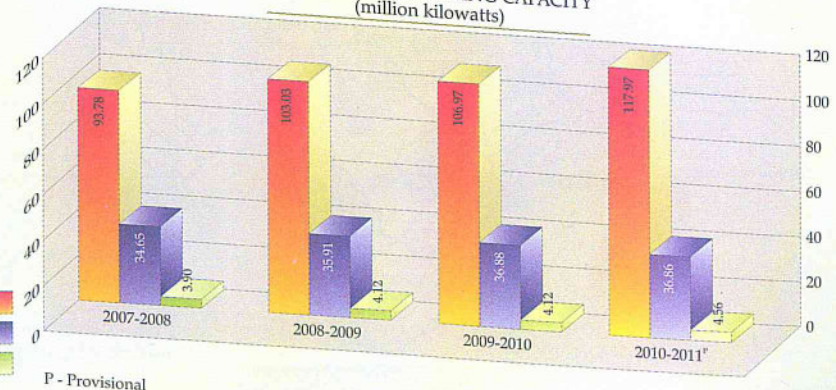
Others 6.8%
Railway Traction 2.1%
Agriculture 19.8%
Industry 37.8%
Commercial 9.8%
Domestic 23.8%



NET AREA IRRIGATED
(million hectares)



INSTALLED GENERATING CAPACITY
(million kilowatts)

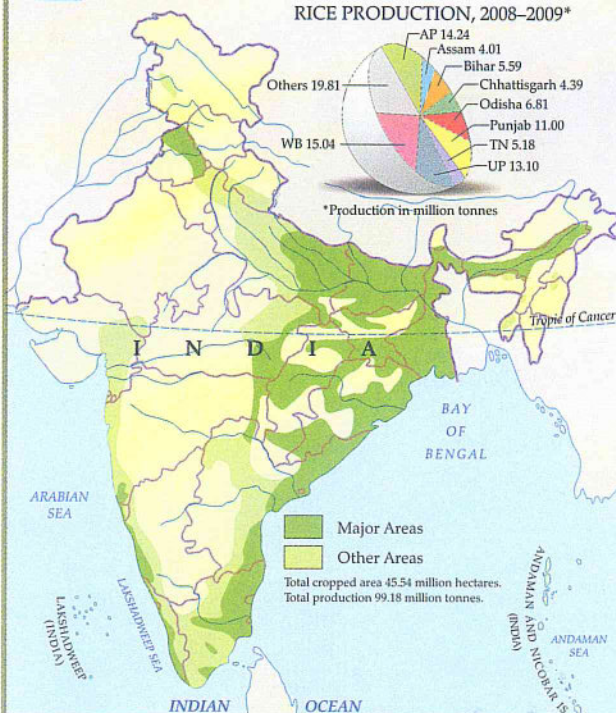


Projection: Lambert Conformal Orthomorphic

INDIA — IRRIGATION AND POWER GENERATION

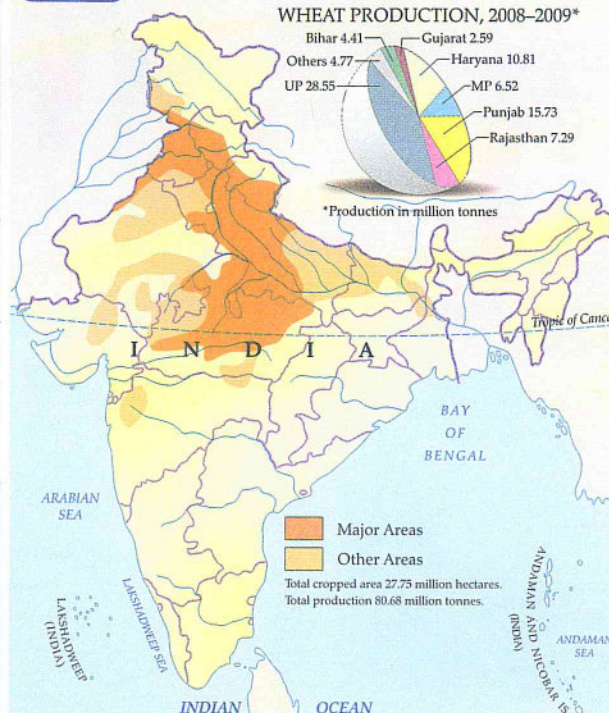
RICE

RICE PRODUCTION, 2008–2009*



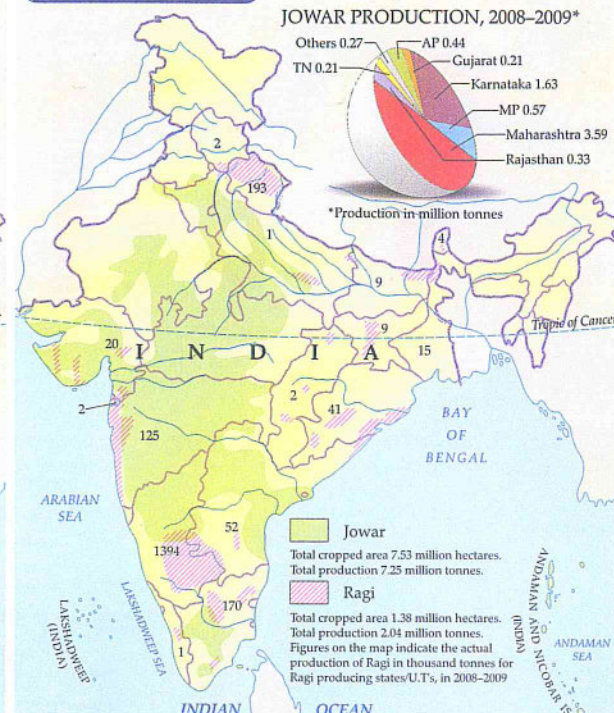
WHEAT

WHEAT PRODUCTION, 2008–2009*



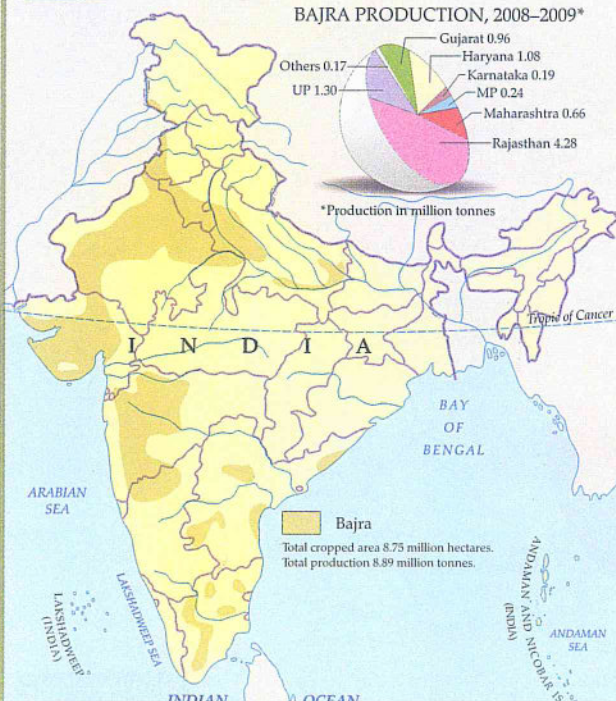
JOWAR AND RAGI

JOWAR PRODUCTION, 2008–2009*



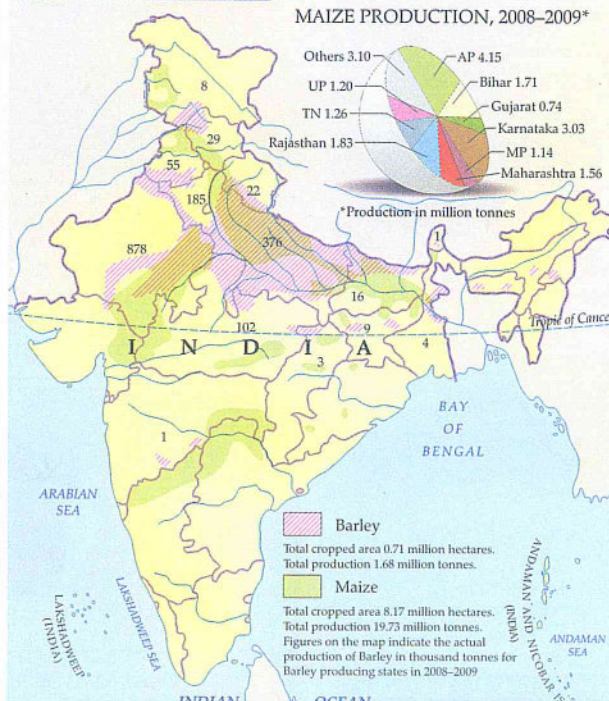
BAJRA

BAJRA PRODUCTION, 2008–2009*



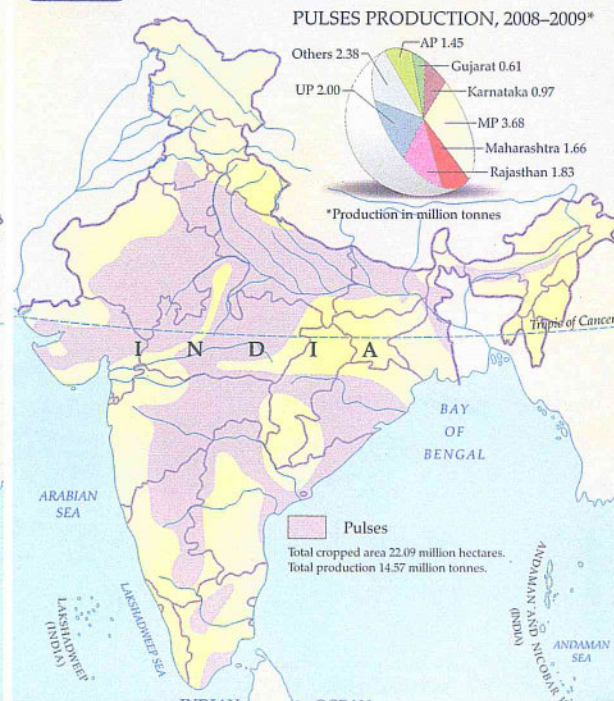
BARLEY AND MAIZE

MAIZE PRODUCTION, 2008–2009*

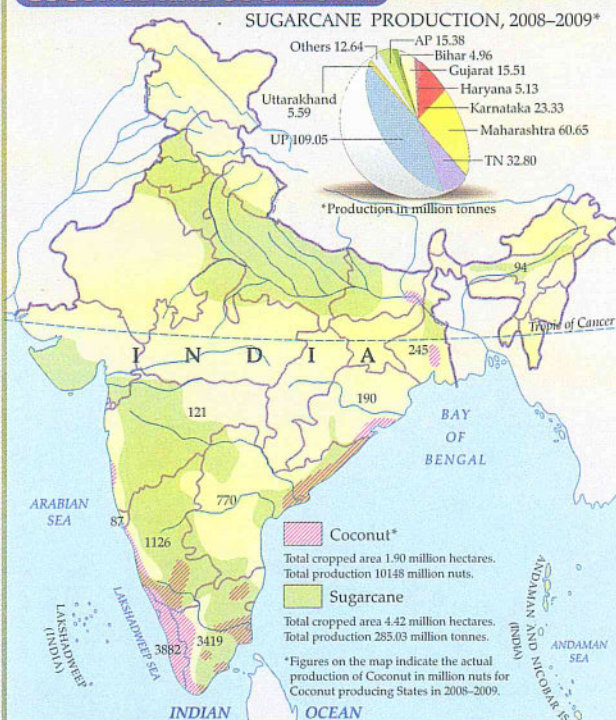


PULSES

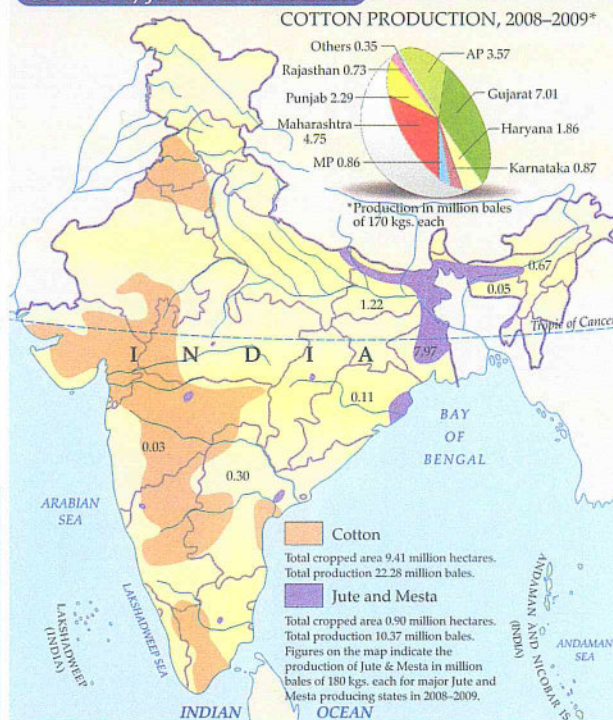
PULSES PRODUCTION, 2008–2009*



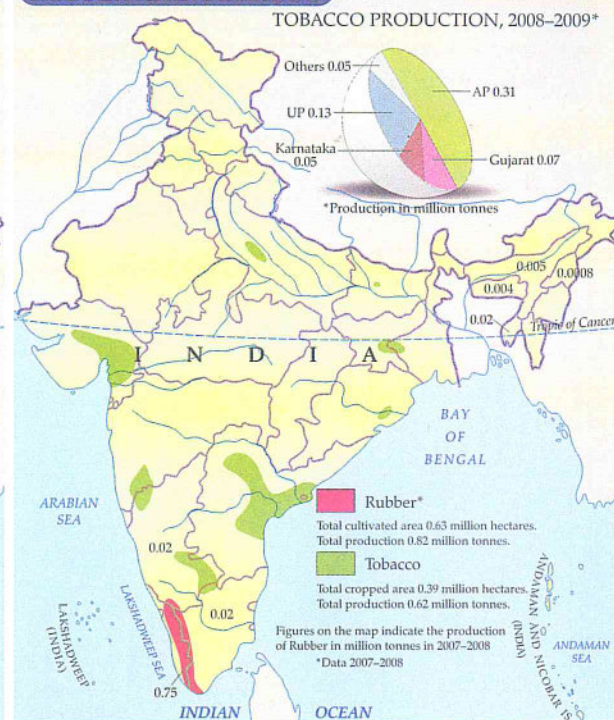
COCONUT AND SUGARCANE



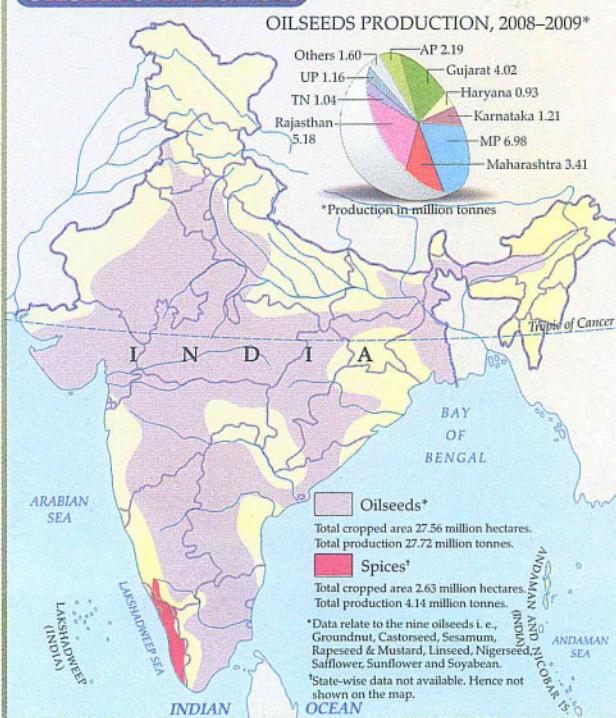
COTTON, JUTE AND MESTA



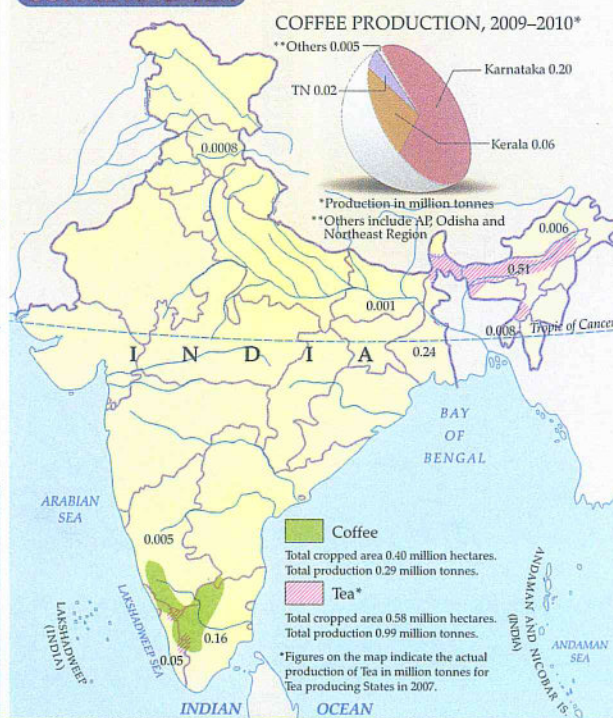
RUBBER AND TOBACCO



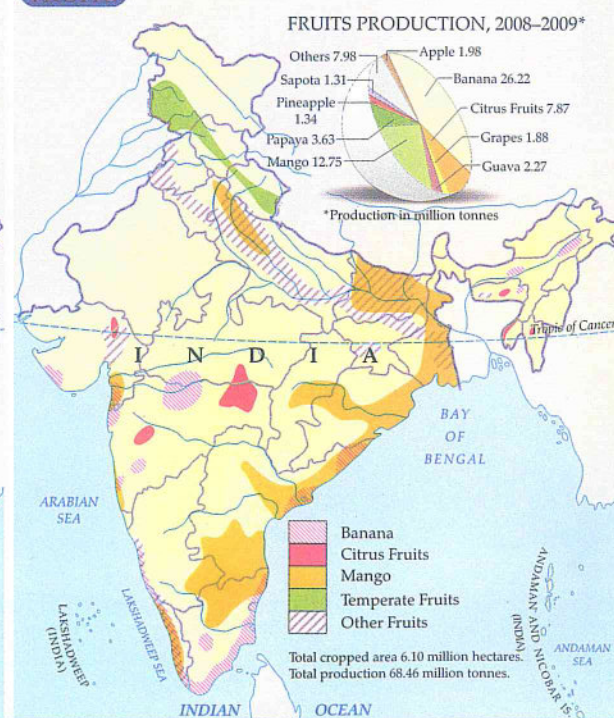
OILSEEDS AND SPICES



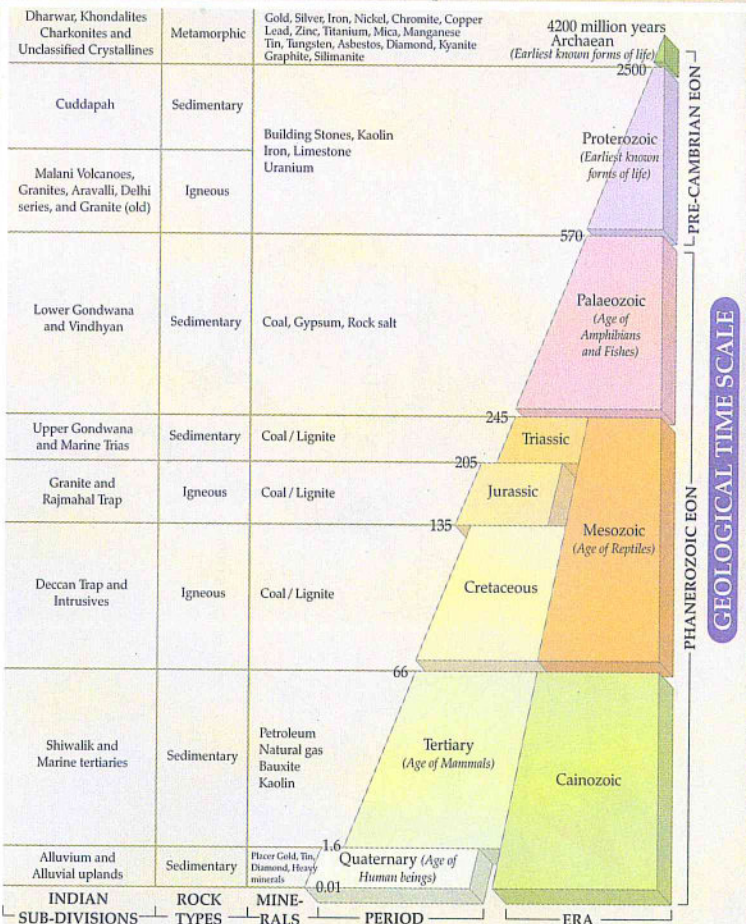
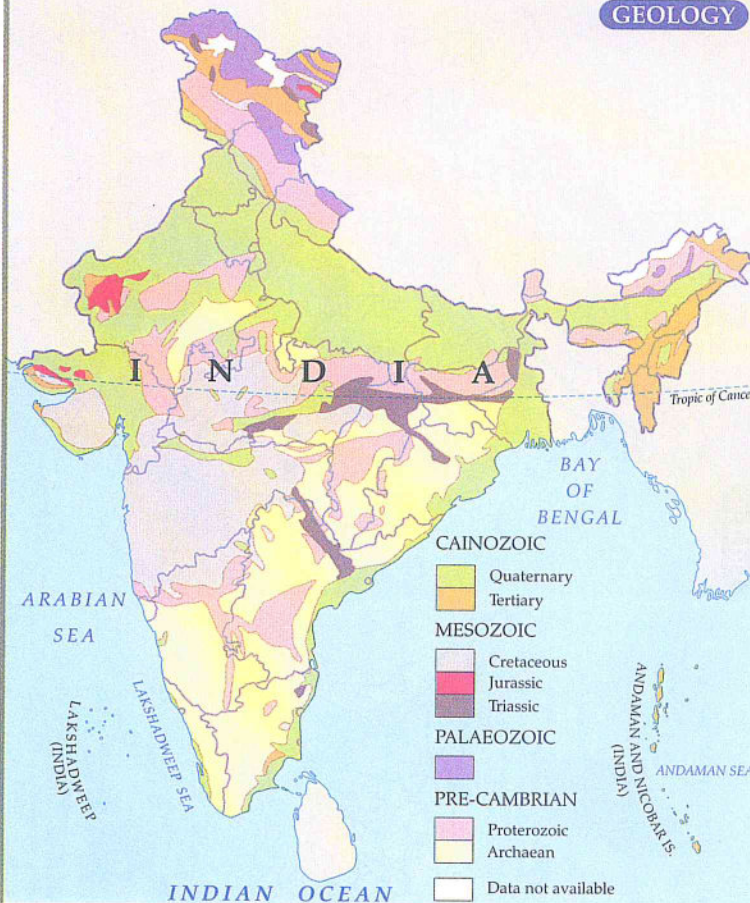
COFFEE AND TEA



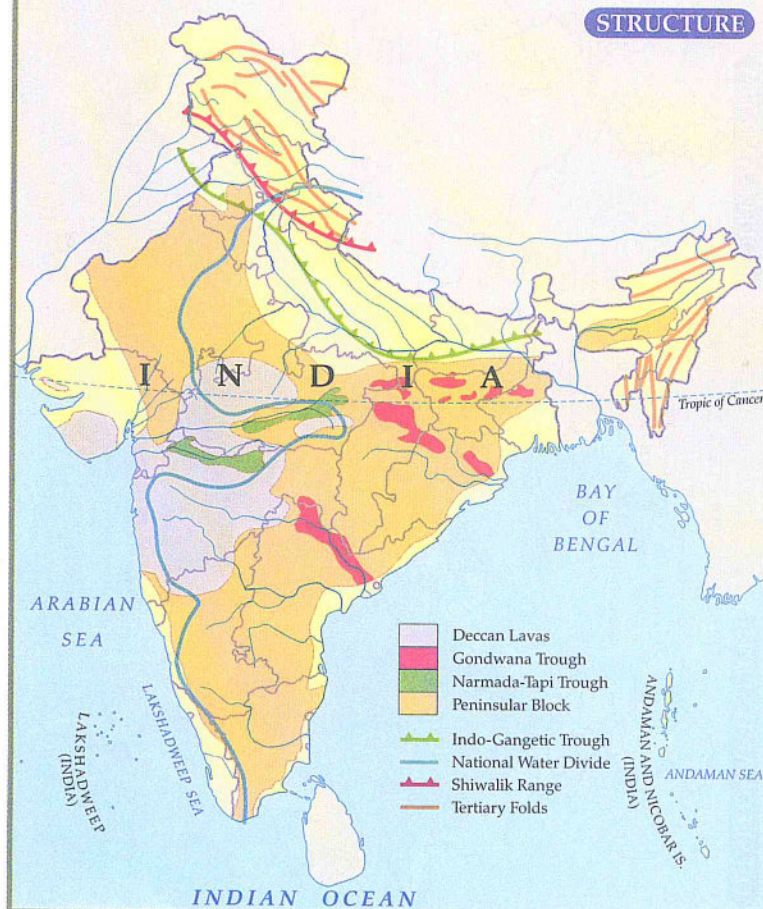
FRUITS



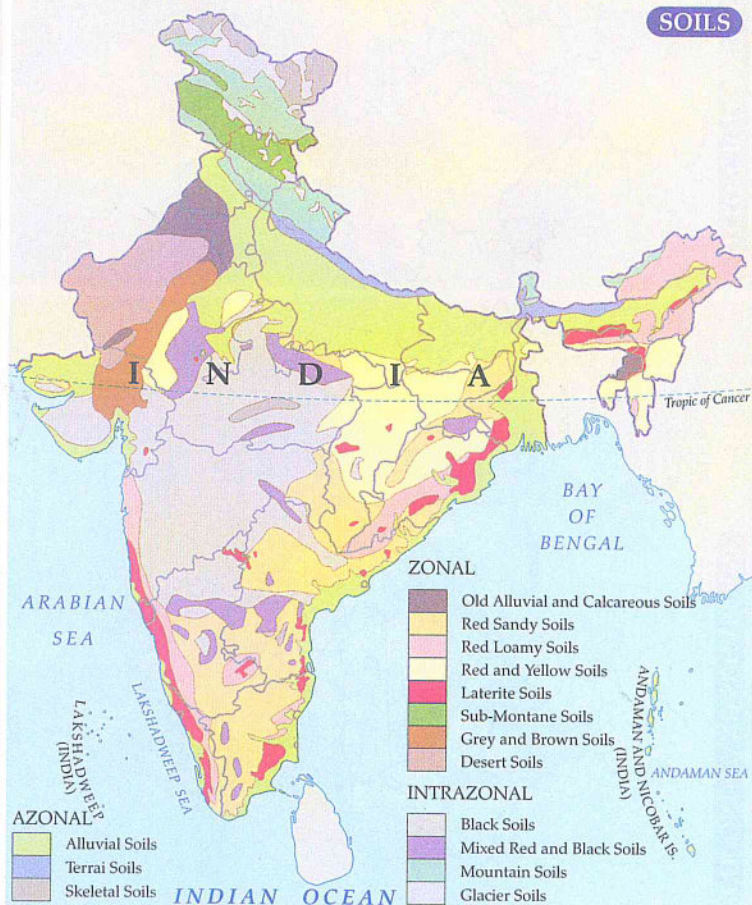
GEOLOGY



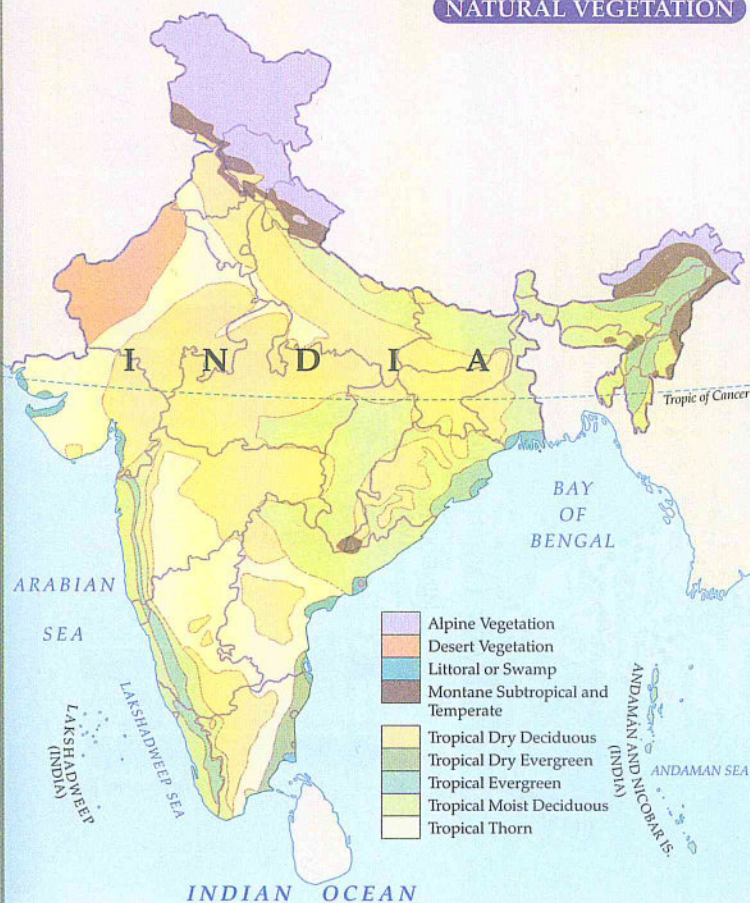
STRUCTURE



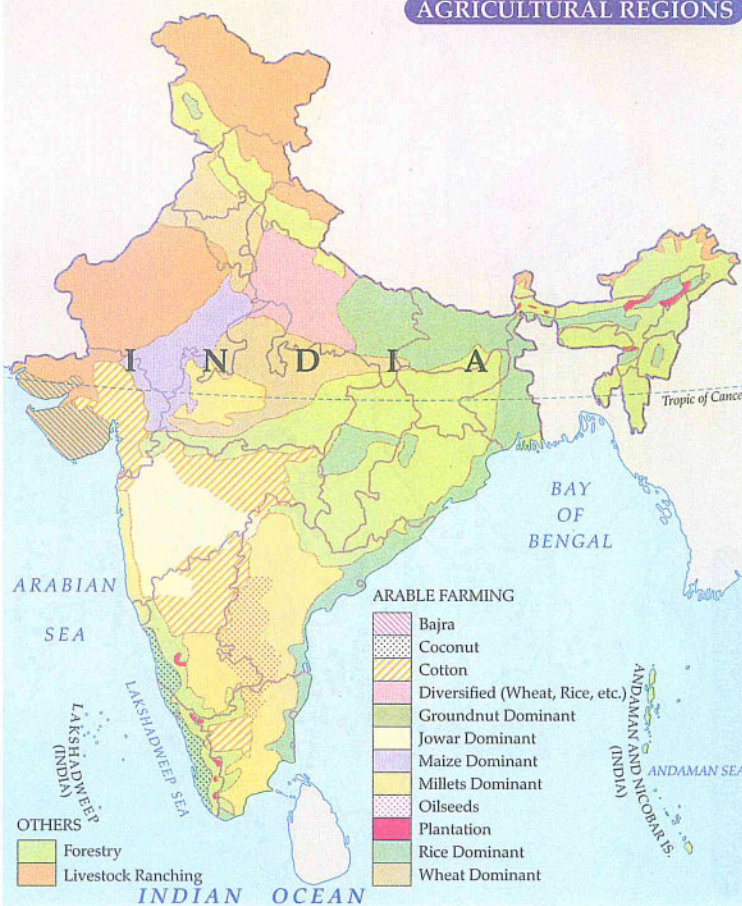
SOILS



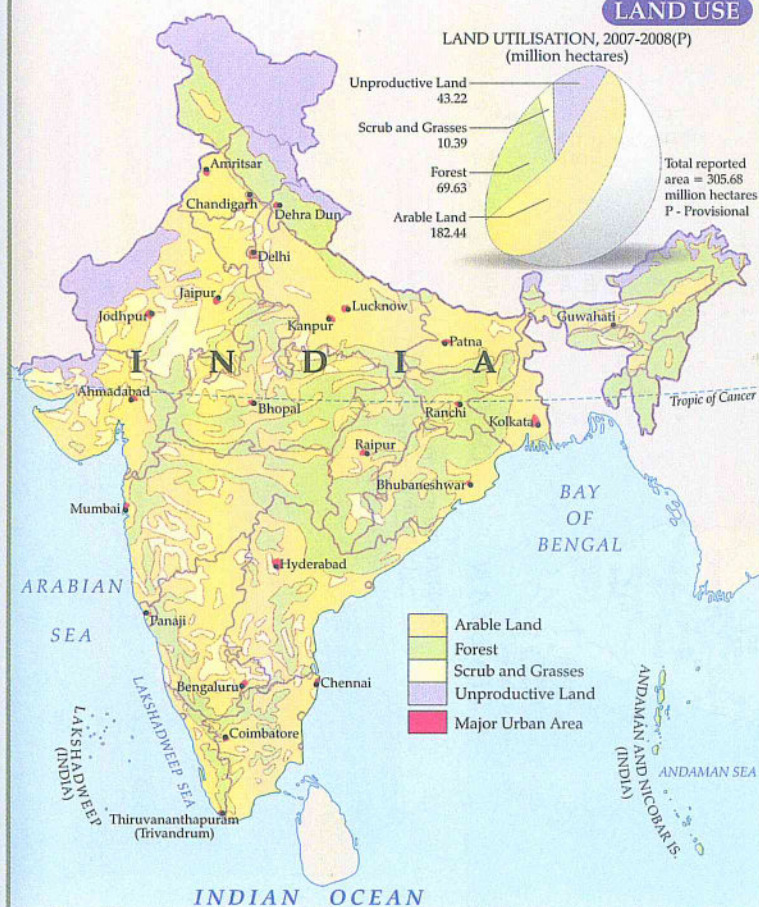
NATURAL VEGETATION



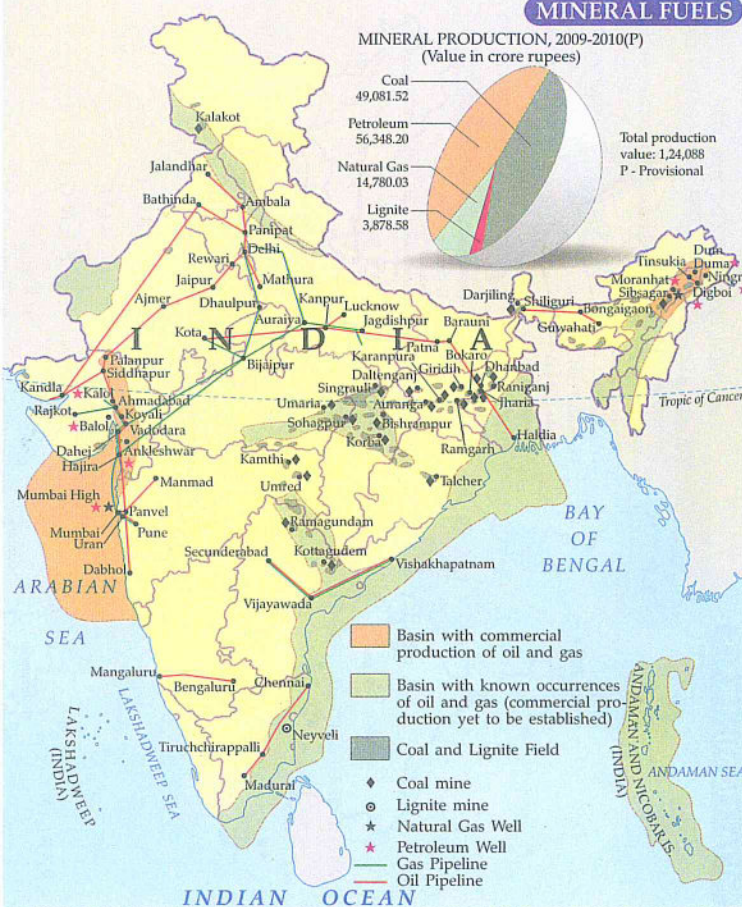
AGRICULTURAL REGIONS



LAND USE



MINERAL FUELS



UNIVERSITIES



ABBREVIATIONS*:

APPLE : Ariane Passenger Payload Experiment
ASLV : Augmented Satellite Launch Vehicle
GSLV : Geosynchronous Satellite Launch Vehicle
IMS : Indian Mini Satellite
INSAT : Indian National Satellite
IRS : Indian Remote Sensing Satellite
PSLV : Polar Satellite Launch Vehicle
RS : Rohini Series
RTP : Rohini Technology Payload
SLV : Satellite Launch Vehicle
SRE : Space capsule Recovery Experiment
SROSS : Stereotyped Rohini Satellite Series
TES : Technology Experiment Satellite

SPACE SCIENCE



ABBREVIATIONS:

RRSSC : Regional Remote Sensing Service Centre
ISRO : Indian Space Research Organisation
DOS : Department of Space
ISTRAC : ISRO Telemetry, Tracking and Command
SDSC, SHAR : Satish Dhawan Space Centre, Sriharikota
Space Centre
NMRF : National MST Radar Facility
NNRMS : National Natural Resources Management System
NARL : National Atmospheric Research Laboratory

Scale
0 250 500 km
1: 25,000,000 (1cm to 250 km)
Projection: Lambert Conformal Orthomorphic

INDIA — UNIVERSITIES AND SPACE SCIENCE

INDIAN SATELLITES

Name	Date of Launch	Weight (kg)	Launch Vehicle	Name	Date of Launch	Weight (kg)	Launch Vehicle	Name	Date of Launch	Weight (kg)	Launch Vehicle	Name	Date of Launch	Weight (kg)	Launch Vehicle
Aryabhata	19-04-1975	358	C-1 Intercosmos, USSR	INSAT-2B	23-07-1993	1932	Ariane, Europe	GSAT-2	08-05-2003	1825	GSLV-D2, India	OCEANSAT-2	23-09-2009	960	PSLV-C14, India
Bhaskara-1	07-06-1979	444	C-1 Intercosmos, USSR	IRS-1E	20-09-1993	845	PSLV, India	INSAT-3E	28-09-2003	2775	Ariane, Europe	GSAT-4	15-04-2010	2220	GSLV-D3, India
RTP	10-08-1979	35	SLV-3, India	SROSS-C2	04-05-1994	113	ASLV, India	IRS-P6 RESOURCE-SAT-11	07-10-2003	1360	PSLV-C5, India	CARTOSAT-2B	12-07-2010	694	PSLV-C15, India
RS-1	18-07-1980	35	SLV-3, India	IRS-P2	15-10-1994	904	PSLV, India	EDUSAT (GSAT-3)	20-09-2004	1950	GSLV-F01, India	STUDSAT	12-07-2010	< 1	PSLV-C15, India
RS-D1	31-05-1981	38	SLV-3, India	INSAT-2C	07-12-1995	2050	Ariane, Europe	CARTOSAT-1	05-05-2005	1560	PSLV-C6, India	GSAT-5P	25-12-2010	2310	PSLV-C16, India
APPLE	19-06-1981	670	Ariane, Europe	IRS-1C	28-12-1995	1250	Molniya, Russia	HAMSAT	05-05-2005	42	PSLV-C6, India	YOUTH-SAT	20-04-2011	92	PSLV-C16, India
Bhaskara-2	20-11-1981	436	C-1 Intercosmos, USSR	IRS-P3	21-03-1996	920	PSLV, India	INSAT-4A	22-12-2005	3080	Ariane, Europe	RESOURCE-SAT-2	20-04-2011	1206	PSLV-C16, India
INSAT-1A	10-04-1982	1150	Delta, USA	INSAT-2D	04-06-1997	2070	Ariane, Europe	INSAT-4C	10-07-2006	2168	GSLV-F02, India	GSAT-8	21-05-2011	3093	PSLV-C16, India
RS-D2	17-04-1983	41.5	SLV-3, India	IRS-1D	29-09-1997	1200	PSLV-C1, India	CARTOSAT-2	10-01-2007	550	PSLV-C7, India	GSAT-12	15-07-2011	1410	PSLV-C17, India
INSAT-1B	30-08-1983	1194	Space Shuttle, USA	INSAT-2DT (Procured in Orbit from Arabsat in January 1988)				SRE-1	10-01-2007	550	PSLV-C7, India				
SROSS-1	24-03-1987	150	ASLV, India	INSAT-2E	03-04-1999	2550	Ariane, Europe	INSAT-4B	12-03-2007	3025	Ariane, Europe				
IRS-1A	17-03-1988	980	Vostok, USSR	OCEANSAT-1 (IRS-P4)	26-05-1999	1050	PSLV-C2, India	CARTOSAT-2	23-04-2007	352	PSLV-C8, India				
SROSS-2	13-07-1988	150	ASLV, India	INSAT-3B	22-03-2000	2070	Ariane, Europe	INSAT-4CR	02-09-2007	2130	GSLV-F04, India				
INSAT-1C	22-07-1988	1190	Ariane, Europe	GSAT-1	18-04-2001	1530	GSLV-D1, India	CARTOSAT-2A	28-04-2008	690	PSLV-C9, India				
INSAT-1D	12-06-1990	1293	Delta, USA	TES	22-10-2001	1108	PSLV-C3, India	IMS-1	28-04-2008	83	PSLV-C9, India				
IRS-1B	29-08-1991	990	Vostok, USSR	INSAT-3C	24-01-2002	2750	Ariane, Europe	CHANDRAYAAN-1	22-10-2008	1380	PSLV-C11, India				
SROSS-C	20-05-1992	106	ASLV, India	Kalpana-1	12-09-2002	1060	PSLV-C4, India	RISAT-2	20-04-2009	300	PSLV-C12, India				
INSAT-2A	10-07-1992	1906	Ariane, Europe	INSAT-3A	10-04-2003	2950	Ariane, Europe	ANUSAT	20-04-2009	40	PSLV-C12, India				

Note: For list of Abbreviations* see top right of Universities map.