

**STATISTICAL BOOKLET
OF
MANIPUR FOREST
2008-09**



**FOREST DEPARTMENT
GOVERNMENT OF MANIPUR**



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FORWARD

There is a need for a ready reference booklet on forestry statistics in the state. The Statistical Booklet of Manipur Forest-2005 was an attempt to fill this gap. With the passage of time, updating the contents of this booklet is necessary.

This edition attempts to rectify the various omissions and commissions that had occurred in the previous edition. The information contained in the booklet has also been updated as on 2008-09.

I sincerely hope that the public and the Government officials would find the publication useful and handy.

I take this opportunity to place on record the efforts of Shri N. Sonzalian, IFS, Dy. Conservator of Forests/Admn. & Plg. and Shri N. Somorendro Singh, Wood Preservation & Seasoning Officer in consecutively co-ordinating the work of compilation for this booklet.

Dated: Imphal
The 25th March 2009

(S. Singsit)
Principal Chief Conservator of Forests
Government of Manipur

STATISTICAL BOOKLET OF MANIPUR FOREST 2008-09

FOREST DEPARTMENT

GOVERNMENT OF MANIPUR

MANIPUR AT A GLANCE

1. LOCATION:

Latitude 23.80° N to 25.68° N

Longitude 93.03° E to 94.78° E

2. AREA & POPULATION:

A. Total Geographical Area
22,327 sq.km.

B. Population (as per 2001 census)

Male 11,61,952 Rural 17,17,928

Female 11,31,944 Urban 5,75,968
22,93,896 22,93,896

C. Female per 1000 male (2001) = 974

D. Density per sq.km. (2001) = 103

E. Schedule Tribe Population (2001) = 7,41,141

F. Schedule Caste Population (2001) = 60,037

G. Decadal Variation of Population (1991-2001) = 330

H. Literacy Rate : 70.5 %

Male : 80.3% & Female : 60.5 %

I. Main Worker (2001) 6,59,364

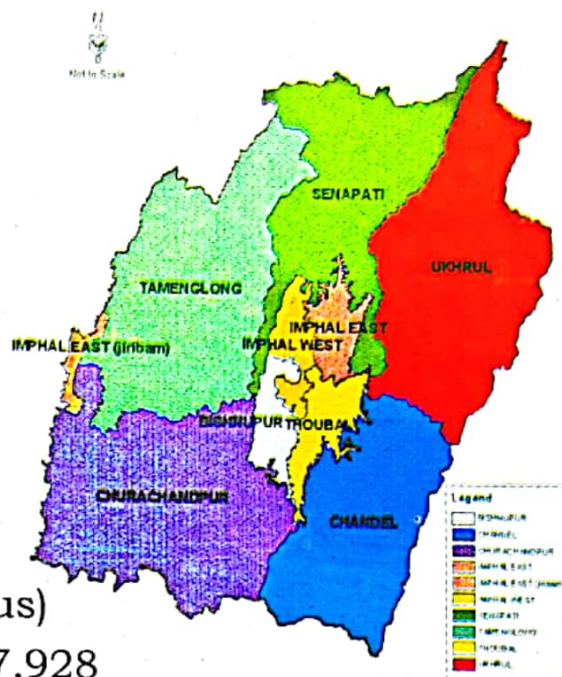
Cultivator -2,85,809

Agricultural labour 41,819

Manufacturing, processing, servicing & repairing in
household industry 43,163

J. Marginal Worker (2001) 2,85,849

K. Household Nos. 4,92,371



MAP OF MANIPUR

L. District wise area & population

Sl No.	Name of District	Geographical Area (sq.km.)	Population (Nos.)
1.	Senapati	3271	2,83,621
2.	Tamenglong	4391	1,11,499
3.	Churachandpur	4570	2,27,905
4.	Chandel	3313	1,18,327
5.	Ukhrul	4544	1,40,778
	HILL TOTAL	20,089	8,82,130
6.	Imphal East	709	3,94,876
7.	Imphal West	519	4,44,382
8.	Bishnupur	496	2,08,368
9.	Thoubal	514	3,64,140
	VALLEY TOTAL	2,238	14,11,766
	GRAND TOTAL	22,327	22,93,896

3. **ADMINISTRATIVE SET UP :**

- A. No. of District - 9
 B. No. of sub-division - 38

4. **LIVE STOCK (2003)**

- A. Cattle (Nos.) 4,18,028
 B. Buffaloes (Nos.) 76,950
 C. Others 6,08,385
 11,03,363
 D. Poultry 29,40,674

5. ESTIMATE OF GROSS DOMESTIC PRODUCT OF MANIPUR BY INDUSTRY OF ORIGIN AT CURRENT PRICES:

Sl. No.	Industry of Origin	2001-02	2002-03	% Contribution
A.	Primary			
	1. Agriculture including Livestock	82895	87418	-
	2. Forestry & Logging	6191	6443	1.75
	3. Fishing	9544	10445	-
	B. Others (Secondary + Tertiary)	235793	263556	-
	Total	334423	367862	
Per Capita Income (Rs.)		14391	15516	

6. ESTIMATE OF NET DOMESTIC PRODUCT OF MANIPUR BY INDUSTRY OF ORIGIN AT CURRENT PRICES:

Sl. No.	Industry of Origin	2001-02	2002-03	% Contribution
A.	Primary			
	1. Agriculture including Livestock	79343	83672	-
	2. Forestry & Logging	5830	6067	1.87
	3. Fishing	8378	9169	-
	B. Others (Secondary + Tertiary)	201182	223814	-
	Total	294733	323814	
Per Capita Income (Rs.)		12683	13658	

Source 1 to 6 Statistical Abstract Manipur -2007

STATUS OF FOREST IN MANIPUR

7. FOREST CLASSIFICATION:

A. Recorded Forest Area (Legal Status)

Sl. No.	Forest Class	Area in sq. kms.	% to total Forest area of the State
(i)	Reserved Forest (including WL Protected Area Network)	1467	8.4
(ii)	Protected Forest(including proposed)	4171	24.0
(iii)	Unclassed Forest	11,780	67.6
	Total	17,418	100.00

B. As per Crown Density (FSI-1997-2005):

Year of Survey	Dense Forest (Crown density above 40%)	Open Forest (Crown density less than 40%)	Area in Sq. Km. total Forest area
1997	4937	12481	17418
1999	5936	11448	17384
2001	5710	11216	16926
2003	6538	10681	17219
2005	6464	10622	17086

C. By Types (Broadly) (FSI-1995):

Sl.	Forest Type	Area in Sq.Km.	% to the total Forest area
(i)	Wet Temperate Forest	1451.01	8.23
(ii)	Pine Forest	2442.77	13.86
(iii)	Wet Hill Forest	9057.59	51.40
(iv)	Semi Evergreen Forest	644.89	3.67
(v)	TeakGurjan Forest	610.74	3.48
(vi)	Bamboo Brakes	3268.00	18.55
(vii)	Grass brakes	46.00	0.82
	TOTAL	17,621.00	100.00

8. FOREST ADMINISTRATIVE SET UP :

I. CENTRAL CIRCLE:

1. CENTRAL FOREST DIVISION : (IMPHAL)

(i) Sadar West Range

- (a) Iroisemba Beat Office
- (b) Thongak Lairembi Beat Office
- (c) Tarung Beat Office
- (d) Lamdeng Beat Office
- (e) Pheidinga Beat Office
- (f) Yengoubung Beat office.

(ii) Sadar East Range

- (a) Koirengei Beat Office
- (b) Sekmai Beat Office
- (c) Heingang Beat Office
- (d) Mayang Imphal Beat Office

(iii) Sawombung Range

- (a) Gwaltabi Beat Office
- (b) Napetpalli Beat office
- (c) Moirang Kampu Beat Office

(iv) Nongmaiching Range

- (a) Irilbung Beat Office
- (b) Pangei Beat Office
- (c) Nongpok Sanjenbam Beat Office
- (d) Ngarial Beat Office
- (e) Sagolmang Beat Office

2. BISHNUPUR FOREST DIVISION: (BISHNUPUR)

(i) Moirang Range

- (a) Komkeirap Beat Office
- (b) Sendra Beat Office
- (c) Ithai Beat Office
- (d) Phoubakchao Beat Office (Ithai)

ii) Bishnupur Range

- (a) Nambol Beat Office
(Presently at Ningthoukhong)

3. THOUBAL FOREST DIVISION: (THOUBAL)

(i) Thoubal Range

- (a) Shikhong Beat Office
- (b) Yairipok Beat Office

(ii) Kakching Range

- (c) Mayai Keithel Beat Office
- (d) Heirok Beat Office
- (a) Waikhong Beat office
- (b) Pallel Beat Office
- (c) Wangoo Lamkhai Beat Office
- (d) Panjao Beat Office

II. **EASTERN CIRCLE:**

1. **EASTERN FORESTS DIVISION; (UKHRUL)**

(i) Ukhrul Range

- (a) Litan Beat Office
- (b) Hundung Beat office
- (c) Gamnom Beat Office
- (d) Nungbi Beat Office
- (e) Shangshak Beat Office

(ii) Kamjong Range

Nil

(iii) Jessami Range

(a) Kharasom Beat Office

(iv) Kasom Khullen Range

2. **TENGNOUPAL FOREST DIVISION; (CHANDEL)**

(i) Chakpikarong Range

(a) Teiyang Beat Office

(ii) Chandel Range

(a) Komlathabi Beat Office

(iii) Moreh Range

(iv) Tegnoupal Range

(a) Molnoi Beat Office

(v) Yangenching Range

(Reserve)

III. **NORTHERN CIRCLE :-**

1. **KANGPOKPI FOREST DIVISION; (KANGPOKPI)**

(i) Kangpokpi Range

(a) Koubru Beat Office,
Sapermeina

(ii) Motbung Range

- (a) New Keithelmanbi Beat Office
- (b) Kotlen Beat Office
- (c) Kanglatombi Beat Office
- (d) Leimakhong Beat Office

(iii) Saikul Range

(iv) T. Waichong Range

2. SENAPATI FOREST DIVISION: (SENAPATI)

- | | |
|--------------------------------|------------------------|
| (v) <u>Karong Range</u> | (a) Tadubi Beat Office |
| | (b) Mao Beat Office |
| | (c) Maram beat Office |
| (vi) <u>Liyai Khunou Range</u> | |

IV. WESTERN CIRCLE:

1. WESTERN FOREST DIVISION: (TAMENGLONG)

- | | |
|------------------------------|--------------------------|
| (i) <u>Tamei Range</u> | |
| (ii) <u>Tamenglong Range</u> | |
| (iii) <u>Noney Range</u> | (a) Laimaton Beat office |
| | (b) Tupul Beat Office |
| (iv) <u>Nungba Range</u> | (a) Irang Beat Office |

2. SOUTHERN FOREST DIVISION: (CHURACHANDPUR)

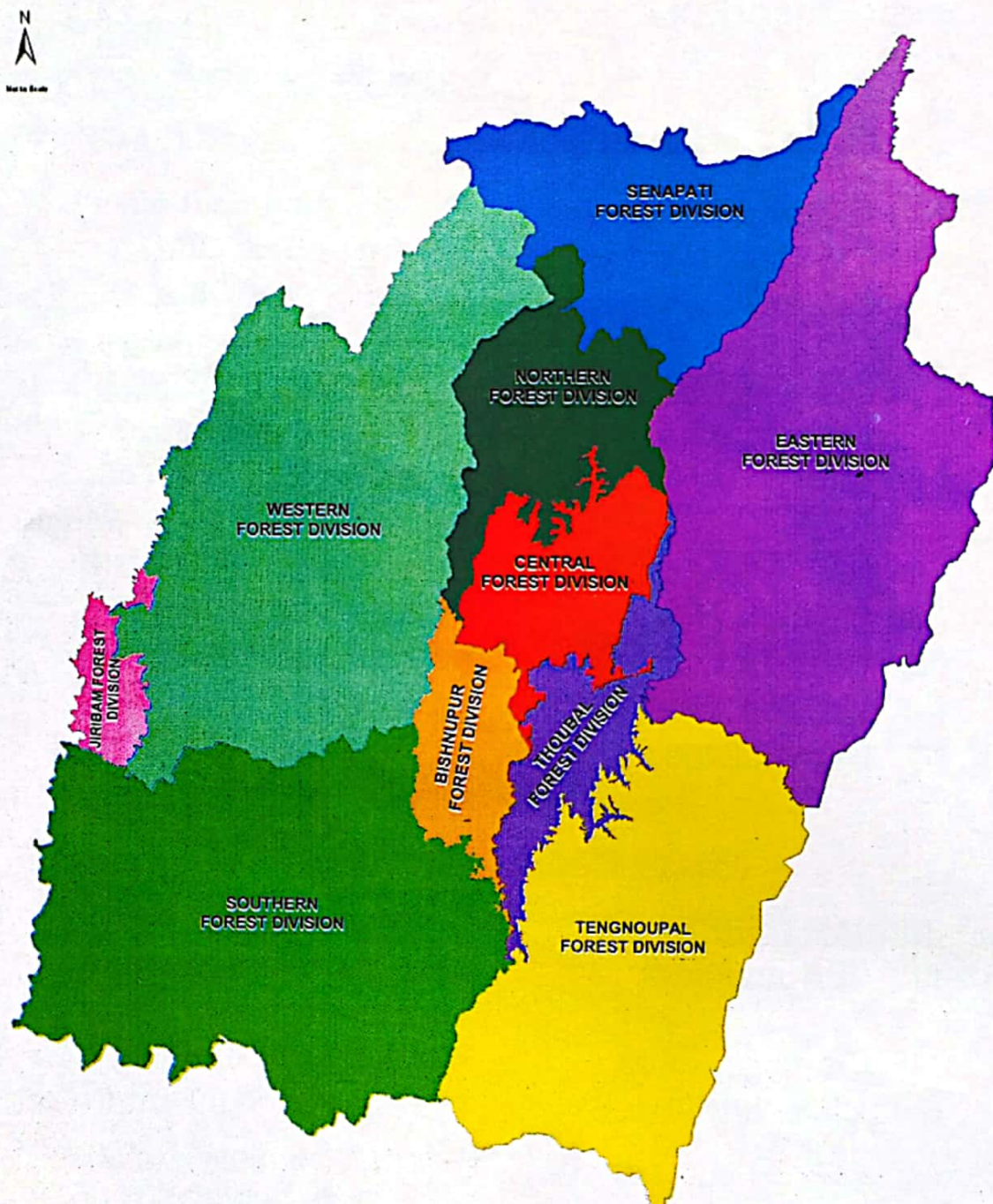
- | | |
|--------------------------------|---------------------------------|
| (i) <u>Churachandpur Range</u> | (a) Saikot Beat Office |
| | (b) Bungmual Beat Office |
| | (c) Lanva Beat Office (Mualtam) |
| | (d) S. Kawtlian Beat Office |
| (ii) <u>Singngat Range</u> | (a) Muallum Beat Office |
| (iii) <u>Parbung Range -</u> | (a) Tipaimukh Beat Office |
| (iv) <u>Thanlon Range -</u> | (a) Aina Beat Office |
| (v) <u>Sagang Range -</u> | (a) Tuiningkhal Beat Office |
| | (b) Nganukon Beat Office |
| | (c) Haotak Beat office |

3. JIRIBAM FOREST DIVISION: (JIRIBAM)

- | | |
|----------------------------------|------------------------------|
| (i) <u>Jiribam Range</u> | (a) Gularthol Beat Office |
| | (b) Kunjabon Beat Office |
| (ii) <u>Jirimukh Range -</u> | (a) Makha Basti Beat Office |
| (iii) <u>Choudhurikhal Range</u> | (a) Sibapurikhal Beat Office |

MAP OF MANIPUR FOREST DIVISION BOUNDARY

MAP OF MANIPUR SHOWING FOREST DIVISION BOUNDARY



10. FOREST COVER OF MANIPUR (FSI-2005)

(Area in sq.km.)

No. of Dist.	Geo. Area	Forest Cover				Percent of the state geo. area	Percent of the country geo. area	Per capita Forest & Tree cover
		Very Dense	Moderately Dense	Open Forest	Total Forest cover			
9	22,327	923	5,541	10,622	17,086	76.53	2.52	0.72

11. FOREST COVER AFFECTED DUE TO SHIFTING CULTIVATION IN MANIPUR (FSI-2003)

(Area in Sq.Km.)

Forest Cover affected due to Shifting cultivation			Loss of forest cover due to other reasons	Total forest cover affected	Total gain in forest cover	Net loss/gain in forest
Dense Forest	Open Forest	Total				
125	730	855	108	963	1256	293

12. STRATUM-WISE ESTIMATED GROWING STOCK OF FORESTS IN MANIPUR (FSI-1995):

Sl. No.	Forest Stratum	Quantity (In '000 cu.m.)	% of total Growing stock
1.	Chir Pine	416	0.44
2.	Hardwood mixed with conifers	723	0.76
3.	Upland Hardwoods	10874	11.40
4.	Bamboo (Tree crop in bamboo)	3081	3.23
5.	Dipterocarpus	683	0.71
6.	Khasi Pine	1855	1.94
7.	Miscellaneous	77,820	81.52
	Total	95,452	100

13. GROWING STOCK OF MANIPUR (FSI-2003):

(Area in Sq. Km.)

Geo. Area	Recorded Forest Area	CFNA Plus Forest Cover Outside	Growing Stock (Volume in million cu.m.)		
			In Forest	In TOF (Tree Outside Forest)	Total
22,327	17,418	4,811	111.072	4.279	115.351

14. DISTRICTWISE FOREST COVER OF MANIPUR (FSI-2005)

Area in sq.Km.)

District	Geo.	Very	Moderate	Open	Total	Present	Changes
Imphal East	669	0	63	160	223	33.33	1
Imphal West	559	0	29	28	57	10.20	-2
Bishnupur	496	0	1	16	17	3.43	-1
Thoubal	514	0	5	38	43	8.37	0
Chandel	3313	0	734	1955	2689	81.17	23
Churachandpur	4570	39	1284	2744	4067	88.99	-96
Senapati	3271	296	936	1251	2483	75.91	-55
Tamenglong	4391	432	1474	1966	3872	88.18	-33
Ukhrul	4544	156	1015	2464	3635	80.00	-10
Total	22,327	923	5541	10622	17086	76.53	-173

15. FOREST COVER CHANGE MATRIX OF MANIPUR (FSI-2005)

(Area in sq.km.)

2003 Assessment	2005 Assessment					Total 2003
	VDF	MDF	OF	Scrub	NF	
Very Dense Forest	923	0	0	0	7	930
Moderately Dense Forest	0	5541	0	0	54	5595
Open Forest	0	0	10347	0	387	10734
Scrub	0	0	19	39	16	74
Non-Forest	0	0	256	0	4738	4994
Total 2005	923	5541	10622	39	5202	22327
Net Change	-7	-54	-112	-35	208	

OUTLAY & ACHIEVEMENT

16. OUTLAY IN FORESTRY SECTOR :

(Rs. in Lakhs)

Sl No.	Year	Total State Plan allocation	Forestry & Wildlife		Percent to the State Plan
			Non-Plan	Plan	
1.	2003-04	59,000	1089.95	417.00	0.71
2.	2004-05	78,125	1189.85	561.97	0.72
3.	2005-06	91,500	1432.00	1131.00	1.24
4.	2006-07	116000	1262.71	1410.00	1.22
5.	2007-08	137431	1417.82	1340.00	0.98
6.	2008-09	166000	1746.34	1445.00	0.87

17. FOREST REVENUE AND EXPENDITURE :

(Rs. in Lakhs)

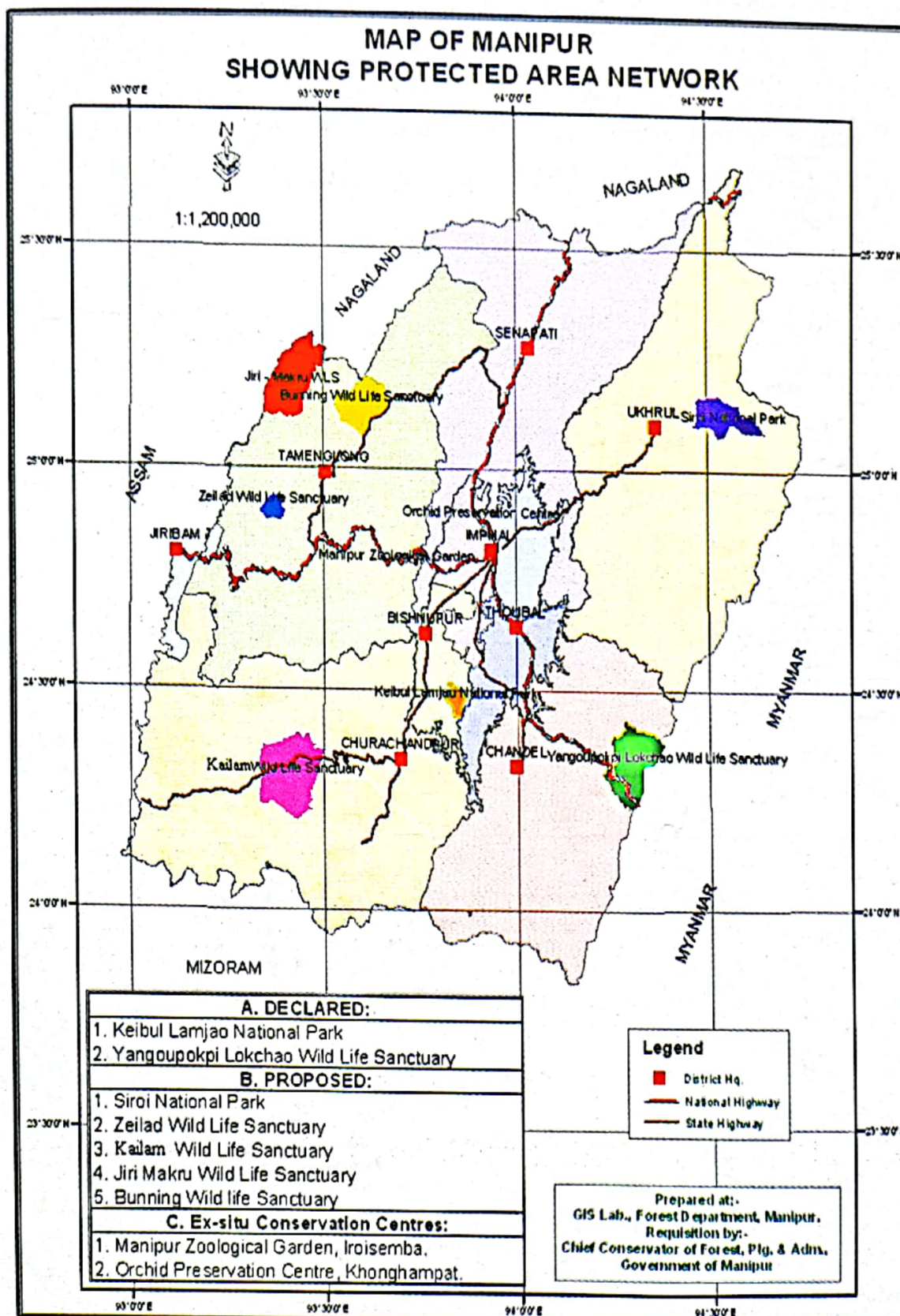
Sl. No.	Year	Expenditure			Revenue	Total State Tax & Non-Tax Revenue	% to the State Revenue
		Non-Plan	Plan	Total			
1.	2003-04	1036.22	348.15	1384.37	95.30	12754.92	0.75
2.	2004-05	1135.97	468.95	1604.92	69.42	15097.51	0.46
3.	2005-06	1393.39	1129.42	2522.81	145.27	17141.11	0.85
4.	2006-07	1237.50	1377.86	2615.36	144.14	30255.63	0.48
5.	2007-08	1359.20	1338.11	2697.31	132.95	34686.98	0.38

18. OUT TURN AND REVENUE OF FOREST PRODUCTS:

(Value - Rs. in Lakhs)

Sl. No.	Name of Products and Unit	2003-2004		2004-2005		2005-06		2006-07		2007-08	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Major Forest Product											
1	Teak (cu.m)	648.55	14.78	149.161	2.62	286.651	7.40	259.52	4.78	270.816	15.347
2	Timber other than Teak (Cu.m.)	860.54	3.27	411.224	8.43	8784.85	60.76	8851.8	82.59	8308.529	68.035
3	Firewood(Ton)	27314.45	11.23	16624.515	12.99	24396	13.65	90323.4	13.52	21515.65	11.859
4	Post/ Pole	0	0	38nos.	0.05	0	0	0	0	1.32cu.m	0.002
	Sub-Total		29.28		24.09		81.81		100.89		95.243
Minor Forest Product											
1	Cane (Rm)	108000	0.3	629000	1.39	157000	0.47	196000	0.53	116200	0.692
2	Bamboo (Nos.)	1418791	4.98	716320	3.42	887470	4.31	1334385	5.90	1709290	5.850
3	Stone (Cu.m.)	121269.52	21.24	81835.42	16.09	122586.29	20.92	80756.7	12.47	94985.08	15.938
4	Sand (Cu.m.)	52680.07	6.24	52228.69	5.6	53972	6.69	65552.4	6.40	58172.75	6.209
5	Earth (Cu.m.)	10475	1.18	8350	1.17	19736	2.46	4118	0.67	1497	0.299
6	Thatching grass (Bundle)	6173	0.02	5356	0.02	5625	0.02	9500	0.02	8400	0.015
7	Broom (Kg)	467446	0.98	386600	0.63	383800	0.67	334200	0.53	363400	0.632
8	Dalchini (Kg)	63588	3.18	17600	0.68	0	0	0	0	0	0
9	Charcoal (Qtl)	1036	0.49	1550	0.61	777	0.55	525.5	0.39	530	0.306
10	Longpepper (Kg)	2500	0.06	1400	0.03	0	0	0	0	0	0
11	Smilex (Kg)	24595	0.13	69600	0.11	26700	0.13	28400	0.11	0	0
12	Sandal Wood (Kg)	0	0	0	0.02	0	0	0	0	0	0
13	Auction sale of	-	0.76	-	0.05	-	0.37	-	0.07	-	0.083
14.	Laham Bark (Kg)	0	0	0	0	20000	0.11	13500	0.06	0	0
15	Jacaranda empty pod (Kg.)	0	0	0	0	10000	0.05	0	0	0	0
16	Rubber (Kg)	29500	7.32	0	0	0	0	0	0	0	0
17	Monopoly fee for cane, broom, sand, stone, longpepper, smilex, dalchini, bamboo mahal		6.38		5.82		2.35		3.88		0.849
18	Outside TP fee for stone, cane, kuth roots, serpentine roots, jacaranda empty pod, laham bark, broom, smilex		0		0		0.85		0.36		0
19	Others		0.09		2.59		18.71		0.80		3.723
	Sub-Total		53.35		38.23		58.66		32.19		34.596
20	Miscellaneous		12.67		7.1		4.80		11.06		5.449
	Sub-Total		66.02		45.33		63.46		43.25		40.045
	Grand Total		95.3		69.42		145.27		144.14		135.288

19. PROTECTED AREA NETWORK IN MANIPUR :



A. IN-SITU CONSERVATION SITES:

Sl. No.	Name of Conservation Site	Location (District)	Area in Sq.Km.
1.	Keibul Lamjao National Park	Keibul Lamjao (Bishnupur Dist.)	40.00
2.	Yangoupokpi Lokchao Wildlife Sanctuary	Lokchao (Chandel Dist.)	184.80
3.	Shiroi Hill National Park	Ukhrul (Ukhrul Dist.)	41.00
4.	Kailam Wildlife Sanctuary	Churachandpur Dist.	187.50
5.	Jiri-Makru Wildlife Sanctuary	Tamenglong Dist.	198.00
6.	Bunning Wildlife Sanctuary	Tamenglong Dist.	115.80
7.	Zeliad Wildlife Sanctuary	Tamenglong	21.00

* Sl No. 3 to 7 final constitution is in process.

788.10

B. EX-SITU CONSERVATION SITES:

Sl. No.	Name of Conservation Site	Location (District)	Area in Sq.Km.
1.	Manipur Zoological Garden	Iroisemba, Imphal West	0.08
2.	2nd Home SANGAI	Iroisemba, Imphal West	0.60
3.	Orchid Preservation Centre	Khonghampat, Imphal West	0.50

20. KEIBUL LAMJAO NATIONAL PARK:

BASIC INFORMATION:

Latitude 24° 27' 24° 31'N

Altitude 767m 788m

Longitude 93° 53'E -93° 55'E

Temperature 4° C (Jan.)

- 32° C (June)

Humidity 45%(March) 80% (August)

Extent of Area:- 40 sq.km.

Date of declaration as National Park :- 28th March 1977

Forest Type:- Moist Semi Evergreen Forest

Eco- System :- Combination of aquatic wetland and terrestrial eco-system.

FAUNA :

Invertebrates : Many

Vertebrates : (a) Fishes (b) Amphibian (c) Reptiles - such as Tortoise, Viper, Krait, Cobra, python, Common Lizard (d) Mammals Sangai, Hog Deer, Wild boar, Large Indian Civet Cat, Common Otter etc.

FLORA (AQUATIC) :

Zizania latifolia (Ishing kambong), *Saccharum munja* (Khoimom), *Saccharum bengalensis*, *Eiranthus procerus* (Singang), *Dioschoria bulbifera* (Phum), *Cynodon dactylon* (Tingthou), *Alpinia galanga* (Pullei), *Eichornia crossipes* (Kabokang), *Hedychium coronarium* (Loklei), *Nelumbo nucifera* (Thambal), *Phragmites karka* (Tou) and 100 other spp.

BEST SEASON FOR VISIT :

October to April (Early sunrise or late afternoon before sunset)

FOR VISIT :

Journey 50km. by road from Imphal.

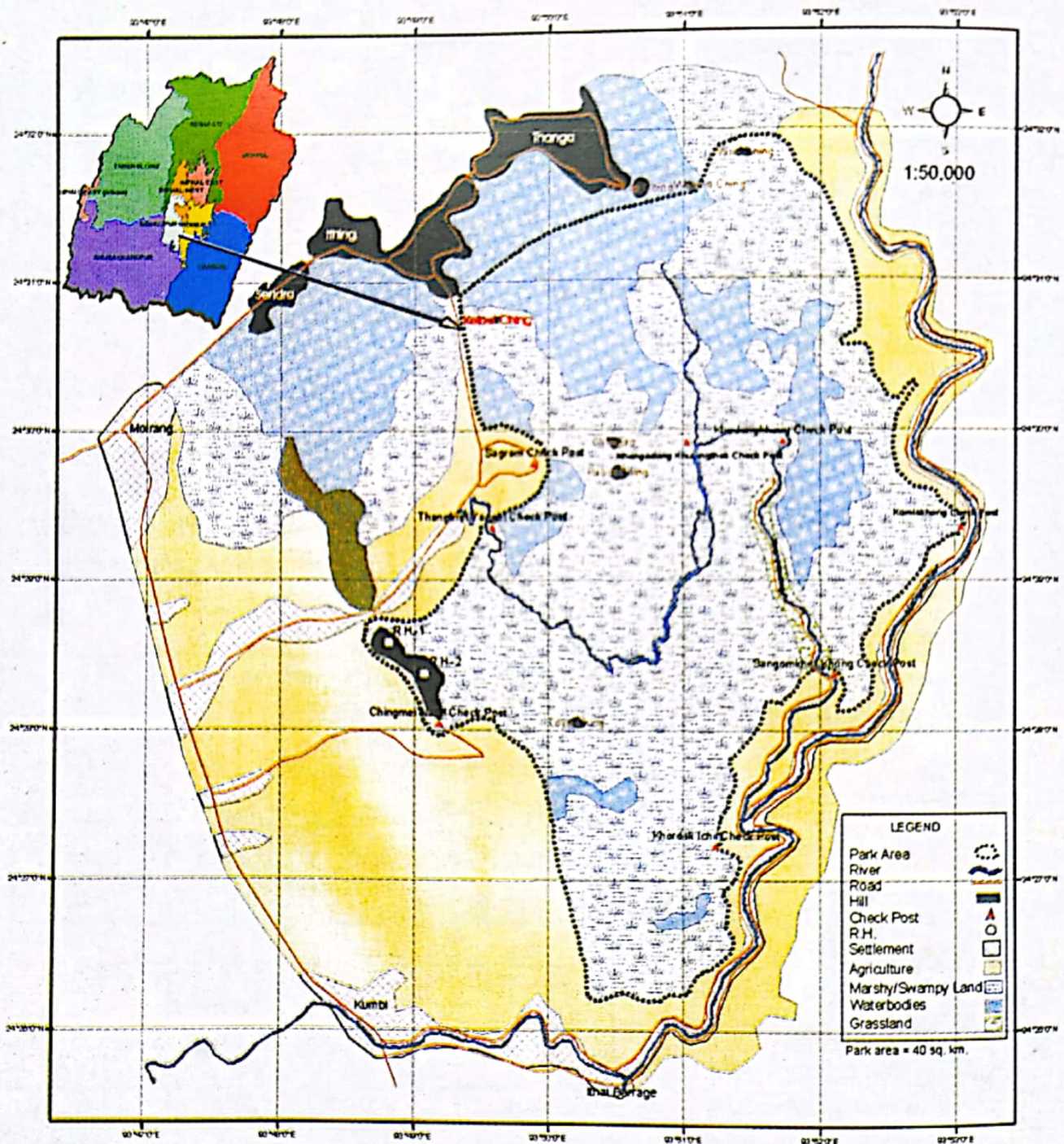
Accommodation : Overnight halt at one of the following Rest House is advisable:

- (i) Forest Rest House, Keibul Lamjao
- (ii) Sendra Tourist Centre,
- (iii) Moirang Tourist Home

SANGAI POPULATION :

Year	Type of Survey	Stag	Hind	Fawn	Total
1990	Aerial Census	-	-	-	76
1991	Ground Census	-	-	-	104
1992	Aerial Census	-	-	-	62
1993	Ground Census	-	-	-	98
1994	Ground Census	-	-	-	137
1995	Ground Census	58	69	25	152
1998	Ground Census	56	62	28	146
1999	Ground Census	63	61	25	149
2000	Ground Census	54	76	32	162
2003	Ground Census	65	74	41	180

MAP OF KEIBUL LAMJAO, NATIONAL PARK



21. YANGOUPOKPI LOKCHAO WILDLIFE SANCTUARY:

BASIC INFORMATION :

Latitude 24° 13' 51" 24° 26' N

Longitude 94° 13' 51" E - 94° 23' 51" E

Altitude 276m 888m

Temperature 4°C (Jan.)

40°C (June)

Humidity 35% (in dry season) - 100% (in rainy season)

Extent of Area:- 184.4 sq.km.

Date of declaration as Sanctuary :- 21st March 1989

Forest Type:- Teak-Gurjan and Tropical Moist Deciduous

Eco-System :- Combination of Riverian and
terrestrial eco-system.

FAUNA :

This Sanctuary is the abode of 42 species of mammals, 74 species of aves, 29 species of reptiles, 6 species of amphibia and 86 species of fishes.

Reptiles :- Tortoise, Viper, Krait, Cobra, Python, Land Monitor Lizard.

Mammals: Hoolock Gibbon, Wildbear, Himalayan Black bear, Malayan Sun bear, Slow loris, Stump tail Macaque, Serow, Indian Civet cat, Common Otter, Pangolin, Leopard etc.

FLORA :

Dipterocarpus turbinatus, *Dipterocarpus tuberculatus*, *Tectona grandis*, *Melanorrhoea usitata*, *Terminalia chebula*, *Emblica officinalis*, *Cedrella toona*, *Cedrella serrata*, *Quercus spp.*, *Bauhinea Spp.*, etc. Bamboos are grown along the banks of rivers and nullah. Important species are Melaconna, Bamboosa etc.

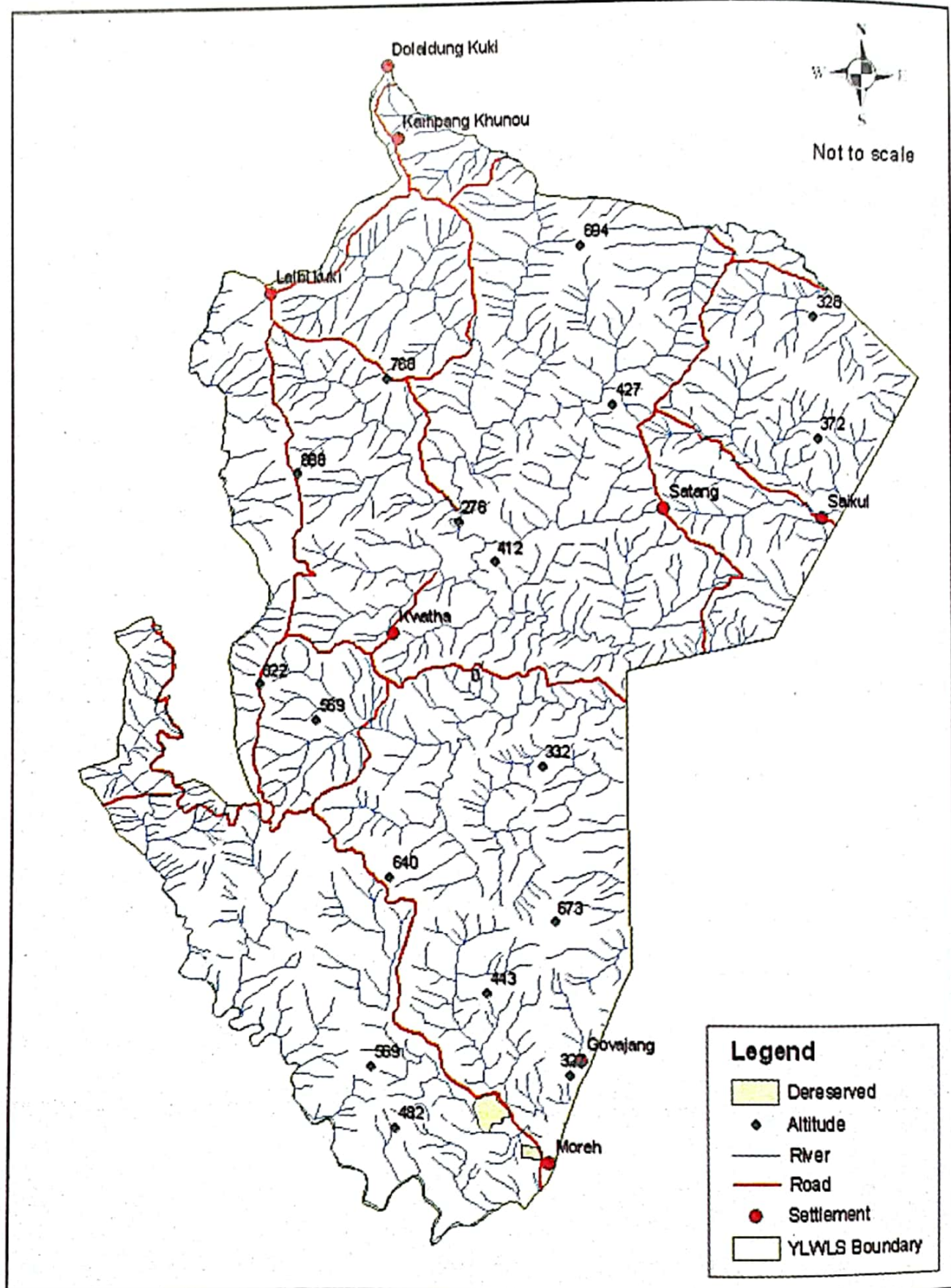
FOR VISIT :

Journey 100 kms. from Imphal by road on NH-39

Accommodation- Accommodation for overnight halt is available at one of the following Rest Houses:

1. Forest Rest House , Moreh
2. Indo-Myanmar Trade Centre Rest House , Moreh
3. Transit Camp at Wildlife Office, Moreh

MAP OF YANGOUPOKPI LOKCHAO WILD LIFE SANCTUARY



22. MANIPUR ZOOLOGICAL GARDEN (IROISEMBA):

- (i) Year of Establishment: 2nd October 1976
- (ii) Area : 8 hact. & 2.13 hact. for Sangai Captive Breeding
- (iii) Situation : Iroisemba, about 7 km. from Imphal, Manipur.
- (iv) Recognised as medium Zoo by Govt. of India in the year 1994
- (v) Revenue:

Year	Revenue from Entry fee. (Rs. in Lakh)
2003-2004	2.09
2004-2005	1.77
2005-2006	3.11
2006-2007	3.09
2007-2008	2.64

- (vi) Mortality Rate:

Category	Stock on Oct. 2005	No. of Death	Mortality Rate
Mammals	257	4	1.56%
Birds	158	4	2.53%
Reptiles	10	0	0
Total	425	8	1.88%

- (vi) Visitors Entry Timing :

Summer (April to September) 10 a.m. to 4.00 p.m.
Winter (October to March) 9:30 a.m. to 3.30 p.m.

- (vii) Entry Fee:

- i) Adult Rs. 4/-
- ii) Child Rs. 3/-
- iii) Student Rs. 2/-
- iv) Camera Rs. 10/-
- v) Video Camera Rs. 1000/-

23. ORCHID PRESERVATION CENTRE (KHONGHAMPAT) :

- (i) Year of Establishment - 1976
- (ii) Area - 50 Hact.
- (iii) Elevation - About 760-800m above the MSL
- (iv) Aspect - Major portion in south, west and north
- (v) Slope - Moderate to steep
- (vi) No. of spp. Preserved - 150 species
- (vii) Situation - The centre is about 9 km. from Imphal along the Imphal Dimapur road. The centre falls within Langol R.F Compartment No. II.
- (viii) Best season for visit - April to July
(Flowering season)

* Visitors must obtain prior permission from the Addl. Principal Chief Conservator of Forests cum Chief Wildlife Warden, Sanjenthong, Imphal.

SOME IMPORTANT SPECIES PRESERVED :

Ascocentrum ampullaceum (Nachom Lei),
Dendrobium chrysotoxum (Khongumelei),
Dendrobium chrysanthum (Mera Leikham),
Dendrobium moschatum (Engalei),
Dendrobium pendulum (Tangkaklei),
Dendrobium wardivanum (Yerum Lei Tangjoubi),
Kalimpongia narajiti,
Rhynchostylis retusa (Samjirei),
Vanda coerulea (Kwaklei)



Tingthou- Lei



Nachomlei



Kwaklei Angangba



Khongumelei

24. STATE ANIMAL, BIRD, FLOWER AND TREE :

Sl. No.	Category	Scientific Name	Local Name	Common Name	Family
1.	State Animal	<i>Cervus eldi eldi</i> Mc Clelland	Sangai	Brow Antlered Deer	Cervideae
2.	State Bird	<i>Syrmitacus huminae huminae</i>	Nongin	Mrs. Hume's Bartailed Pheasant	Phaesinidae
3.	State Tree	<i>Phoebe hainesiana</i>	Uningthou	Bonsum	Phoiaceae
4.	State Flower	<i>Lilium macklineae sealy</i>	Siroy Lily	Siroy Lily	Liliaceae

1. Sangai:

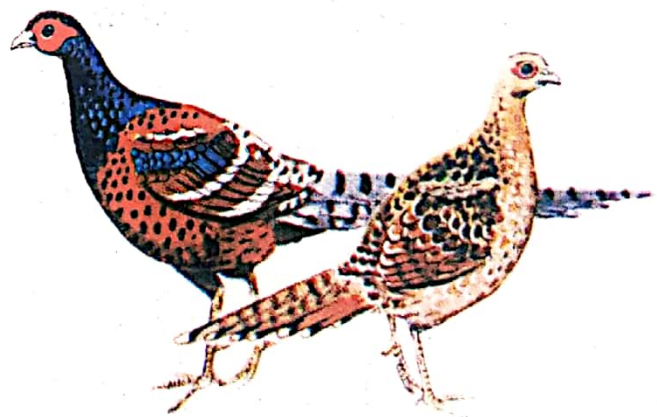
Medium-sized deer, with uniquely distinctive antlers measuring 100-110 cm. in length with an extremely long brow line. Protruding beam appears to come out from the eyebrow. The height and weight of a fully grown stag may be approximately 115-125cm. and 95 to 110kg. respectively. Males are higher and heavier than female. Pasterns are adorned with a no. of elongated trans-verse grooves and the hoofs are hard & black on dorsal side and tough & rubbery on ventral side and can be spread out. These modification in the hoofs and pasterns represent special adaptation of Sangai for convenient movement on swampy habitat of phumdi.



Sangai

2. Nongin:

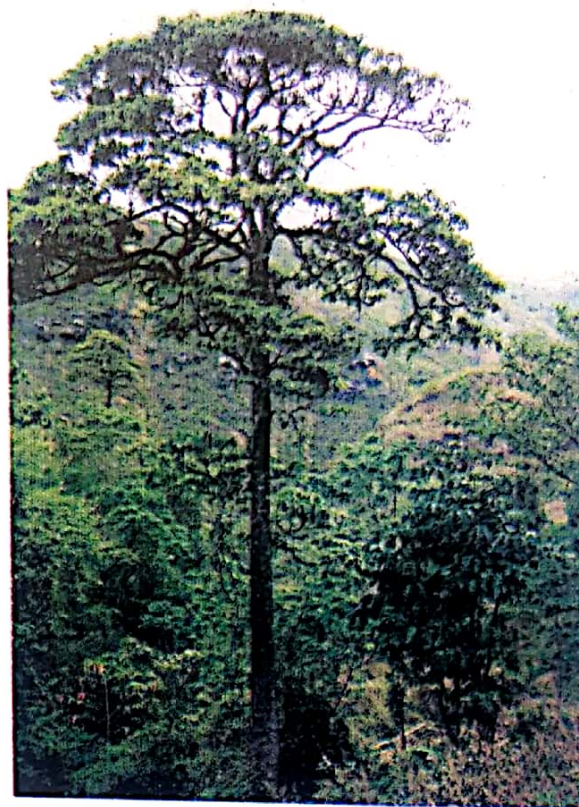
Recorded originally in Manipur, Patkai, Naga and Mizo hills. Heavy bodied, walk & run well. Food habit Omnivorous but seeds & berries are the staple diet. Cannot fly long distances. Believed to be monogamous, the breeding season is mainly April to June. Eggs 6-11, cream to rosy white, incubation period 27 days. Colourful, head, neck & rump bright burnt sienna with three prominent white areas on each side. Female largely reddish brown, streaked with black and has shorter tail. Have soft plumage and the males have a more brilliant colouring than females.



Nongin

3. Uningthou :

A dominant evergreen & timberable tree. Bark thick & dark grey. Attains upto 150 ft. high & 20 ft. girth: clean bole with rounded crown. Yield yellow wood excellent for furniture use. It is found more in wet mixed and evergreen type of forests of south, west & eastern part of Manipur. Seed time is September October and the best time for collection of seed is the end of October. Dormancy period of seed is over 2 months. Germination percentage is about 80%.



Uningthou

4. Siroy-Lily:

One of the endemic & threatened spp. now growing naturally in the third peak of Siroy hills (1730m - 2590m) - eastern Himalayan Wet Temperate forest types. Grows well in open gritty soil rich in chromium, sunny slopes, adequate wind speed throughout the year, frost & temperate climate. Max. population density 7.5 plants per sq.m. Associated spp. *Anemon rivularis* (Summer flower), grasses & *Iris wattii* (Kombirei). Flower pinkish white bell shaped, flowering time May to July. Best time for visit may to June (E. J et al 2005).



Siroy Lily

25. DISTRICTWISE RESERVE FOREST OF MANIPUR:

Name of Reserved Forest	Area (Sq. Km.)	Name of Reserved Forest	Area (Sq.Km.)
1. IMPHAL EAST		5. THOUBAL	
Chingkhei-ching RF	14.23	Heirok Chingdongpok RF	1.27
Heingang RF	9.71	Gwarok RF	5.21
Nongrenching (Khema)RF	5.18	Thongam Mondum RF	8.90
Ningthemchakhul (Laiching) RF	2.59	Waikhong Pine Forest RF	5.10
Jirimukh RF	7.74	Thongjao Kabui	1.00
Sambei Purum RF	19.40	Chingkhongching RF	
Yaingangpokpi RF	48.20	Khunulaba Ching RF	0.03
Nongmaiching RF	67.00		
2. IMPHAL WEST		6. CHURACHANDPUR	
Langol RF	19.22	Cheklaphai RF	52.84
Langol RF Extension	2.05	Langjingmanbi RF	2.59
		Dampi RF	135.89
		Tolbung RF	90.00
3. TAMENGLONG		7. SENAPATI	
Kaiphundai Extension RF	15.54	Kangchup RF	9.60
Irangmukh RF	92.68	Kangchup Chiru RF	2.59
Vengai RF	57.00	Khamenlo Gwalabi RF	85.47
Laimaton RF	2.59	Tadubi Maram RF	7.77
Jiri Makru (Keiphundai) RF	36.84	Kanglatombi Kangpokpi RF	85.47
4. CHANDEL		Khuman Ching RF	2.18
Yangenching	32.56		
Kangbung RF	67.34	8. BISHNUPUR	
Longya RF	41.96	Khongjaingamba RF	0.44
		Warok RF	0.32
		Konung RF	0.15
		9. UKHRUL	
		Nil	

26. NATIONAL AFFORESTATION PROGRAMME (NAP):

The scheme is being implemented by way of institutionalizing people's participation in two-tier set up namely Forest Development Agencies (FDAs) and Joint Forest Management Committees (JFMCs).

Sl. No.	Name of FDA	2003-04 (No. of JFMCs)	2004-05 (No. of JFMCs)	2005-06 (No. of JFMCs)	2006-07 (No. of JFMCs)	2007-08 (No. of JFMCs)
1.	FDA-Central Forest Divn., Imphal (NAP)	24	24	24	24	32
2.	FDA-Thoubal Forest Divn., Thoubal (NAP)	19	19	19	29	35
3.	FDA-Bishnupur Forest Divn., Bishnupur (NAP)	27	27	27	27	20
4.	FDA-Senapati Forest Divn., Senapati (NAP)	-	-	14	17	31
	FDA-Senapati Forest Divn., Senapati (Jhumia)	-	-	-	16	16
5.	FDA-Northern Forest Divn., Kangpokpi (NAP)	22	22	22	22	26
	FDA-Northern Forest Divn., Kangpokpi (Jhumia)	-	-	34	34	-
6.	FDA-Tengnoupal Forest Divn., Chandel (NAP)	24	24	24	24	34
	FDA-Tengnoupal Forest Divn., Chandel (Jhum)	-	-	-	-	24
7.	FDA-Eastern Forest Divn., Ukhrul (NAP)	28	28	28	28	28
	FDA - Eastern Forest Divn., Ukhrul (Jhumia)	-	20	20	20	28
8.	FDA-Southern Forest Divn., Churachandpur (NAP)	20	20	20	20	30
	FDA-Southern Forest Divn., Churachandpur (Jhumia)	22	22	22	22	-
9.	FDA-Western Forest Divn., Tamenglong (NAP)	20	20	20	20	25
	FDA-Western Forest Divn., Tamenglong (Jhumia)	-	-	-	-	25
10.	FDA-Jiribam Forest Divn., Jiribam (NAP)	10	10	10	10	-

27. SCHEME-WISE PLANTATION :

A. STATE PLAN:

(Area in Ha.)

Year	Afforestation	Economic Plantation	Social Forestry	Rehabilitation of Jhumias
2003-2004	-	20	-	48
2004-2005	450	110	-	48
2005-2006	420	480	845	48
2006-2007	360	395	350	48
2007-2008	510	540	410	48
Total	1740	1545	1605	240

B. CENTRALLY SPONSORED SCHEME: (CSS)

(Area in Ha.)

Year	Management of prospective gregarious flowering of Muli Bamboo in NE States	National Bamboo Mission (Implementation started from the year 2007-2008)	
		No. of JFMCs	Plantation area in (ha.)
2005-2006	-	-	
2006-2007	2640 ha.	-	
2007-2008	1434 ha.	266	2000 ha.
Total	4074 ha.	266	2000 ha.

C. NATIONAL AFFORESTATION PROGRAMME (NAP): (CSS)

Sl. No.	Name of FDA	2003-04 (Plantn. in Ha.)	2004-05 (Plantn. in Ha.)	2005-06 (Plantn. in Ha.)	2006-07 (Plantn. in Ha.)	2007-08 (Plantn. in Ha.)
1.	FDA-Central Forest Division, Imphal (NAP)	400	700	400	400	300
2.	FDA-Thoubal Forest Divn., Thoubal (NAP)	500	500	500	600	600
3.	FDA-Bishnupur Forest Divn., Bishnupur (NAP)	350	350	350	350	400
4.	FDA-Senapati Forest Divn., Senapati (NAP)	-	-	-	500	500
5.	FDA-Northern Forest Divn., Kangpokpi (NAP)	450	550	550	450	600
	FDA-Northern Forest Divn., Kangpokpi (Jhumia)	-	-	400	600	-
6.	FDA-Tengnoupal Forest Divn., Chandel (NAP)	-	-	-	1850	-
7.	FDA-Eastern Forest Divn., Ukhrul (NAP)	320	420	420	419	600
	FDA-Eastern Forest Divn., Ukhrul (Jhumia)	-	-	300	300	-
8.	FDA-Southern Forest Divn., Ccpur (NAP)	-	500	600	400	750
	FDA-Southern Forest Divn., Ccpur (Jhumia)	-	400	400	-	-
9.	FDA-Western Forest Divn., Tamenglong (NAP)	-	550	550	400	625
10	FDA-Jiribam Forest Division, Jiribam (NAP)	200	300	300	200	-
	Total	2220	4270	4770	6469	4375

**28. SANCTIONED STAFF AND IN POSITION STRENGTH OF
FOREST DEPARTMENT MANIPUR: (AS ON 28.2.2009)**

Sl.No.	Name of Post	Sanctioned	Staff Position
A.	ADMINISTRATIVE & FIELD :		
1.	Principal Chief Conservator of Forests	1	1
2.	Addl. Principal Chief Conservator of Forests*	2	1
3.	Chief Conservator of Forests**	4	4
4.	Conservator of Forests***	10	9
5.	Deputy Conservator of Forests	16	11
6.	Assistant Conservator of Forests (Gd. I & II	27	16
7.	Range Forest Officer	73	72
8.	Deputy Ranger	91	79
9.	Forester	119	107
10.	Head Forest Guard	75	60
11.	Forest Guard	503	400
12.	Boatman	6	4
B.	SPECIALISED POST:		
1.	Wood Preservation & Seasoning Officer	1	1
2.	Veterinary Asst. Surgeon	1	1
3.	Asst. Settlement Officer	1	-
4.	Asst. Orchid Development Officer	1	-
5.	Rubber Supervisor	1	-
6.	Veterinary Field Assistant	1	-
7.	Cinema Operator	1	1
8.	Asst. Cinema Operator	1	-
C.	MINISTERIAL :		
1.	Account Officer	1	1
2.	Superintendent	1	1
3.	Asst. Private Secretary	2	2
4.	Head Clerk/Sr. Accountant	15	10
5.	Jr. Accountant	12	12
6.	Upper Division Clerk	28	28
7.	Lower Division Clerk	80	73
8.	Stenographer Grade-I	4	4
9.	Peon	52	30
10.	Khallas 8	5	
11.	Driver	30	20
12.	Chowkidar	9	6
13.	Mali	15	13
14.	Sweeper	8	6
15.	Draftsman Gd.-I	1	0
16.	Draftsman Gd.-II	1	1
17.	Tracer	2	1
18.	Store Keeper	1	-
19.	Dafttry	1	
TOTAL		1206	980

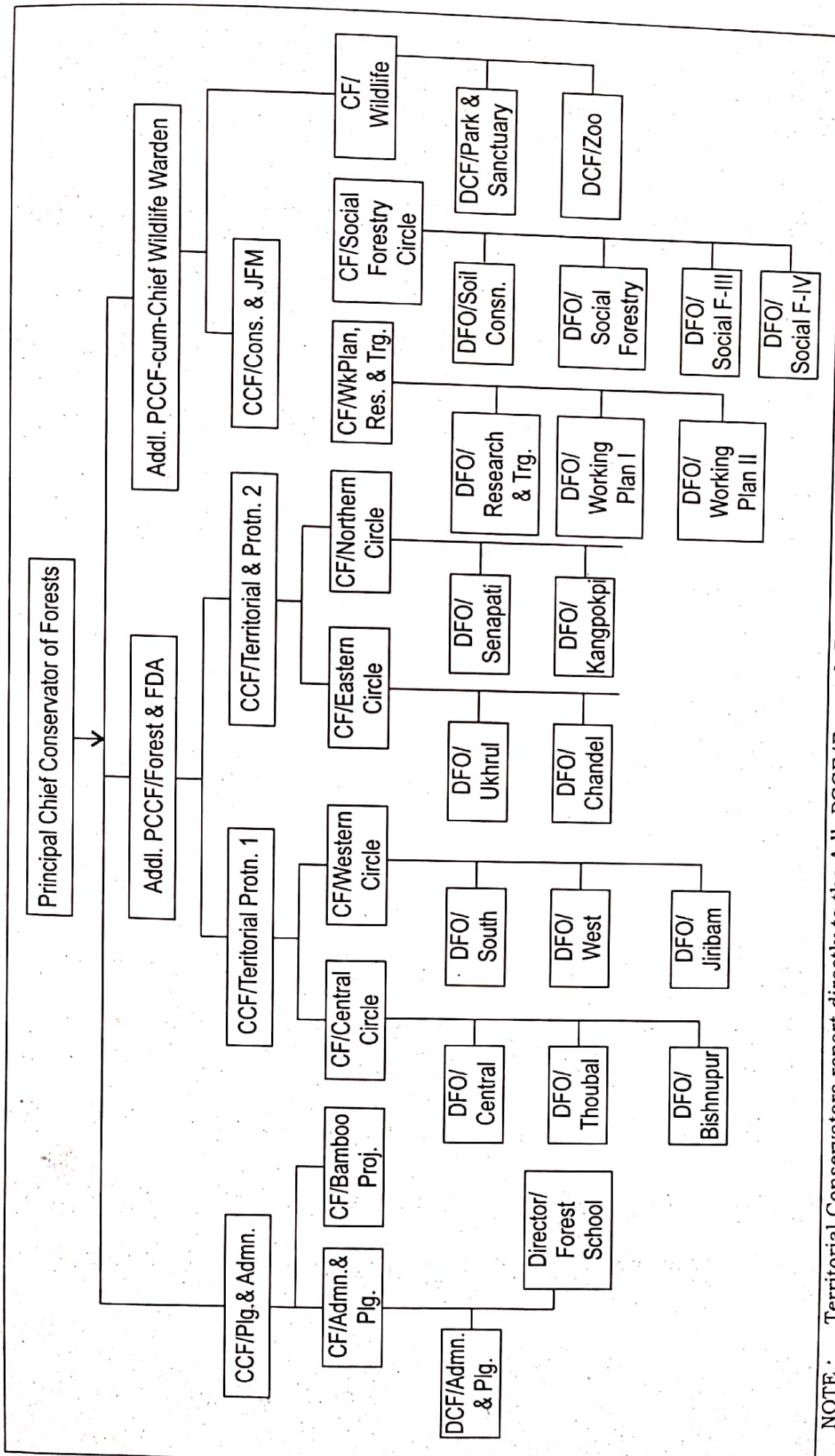
NOTE : * includes 1 ex-cadre post of Addl. PCCF (Forests & FDA).

** includes 1 ex-cadre post of CCF/T&P No. 2.

*** includes 4 ex-cadre posts of CF/Wildlife, CF/Bamboo project, CF/Northern Circle and Special Secretary (Forest & Env.)

FOREST DEPARTMENT

ORGANISATION CHART



NOTE : Territorial Conservators report directly to the Adl. PCCF/Forest & FDA on FDA matters.
 Territorial DFOs report directly to the CF/Wildlife on wildlife matters.
 Territorial DFOs report directly to the CF/Bamboo project on bamboo flowering matters.