

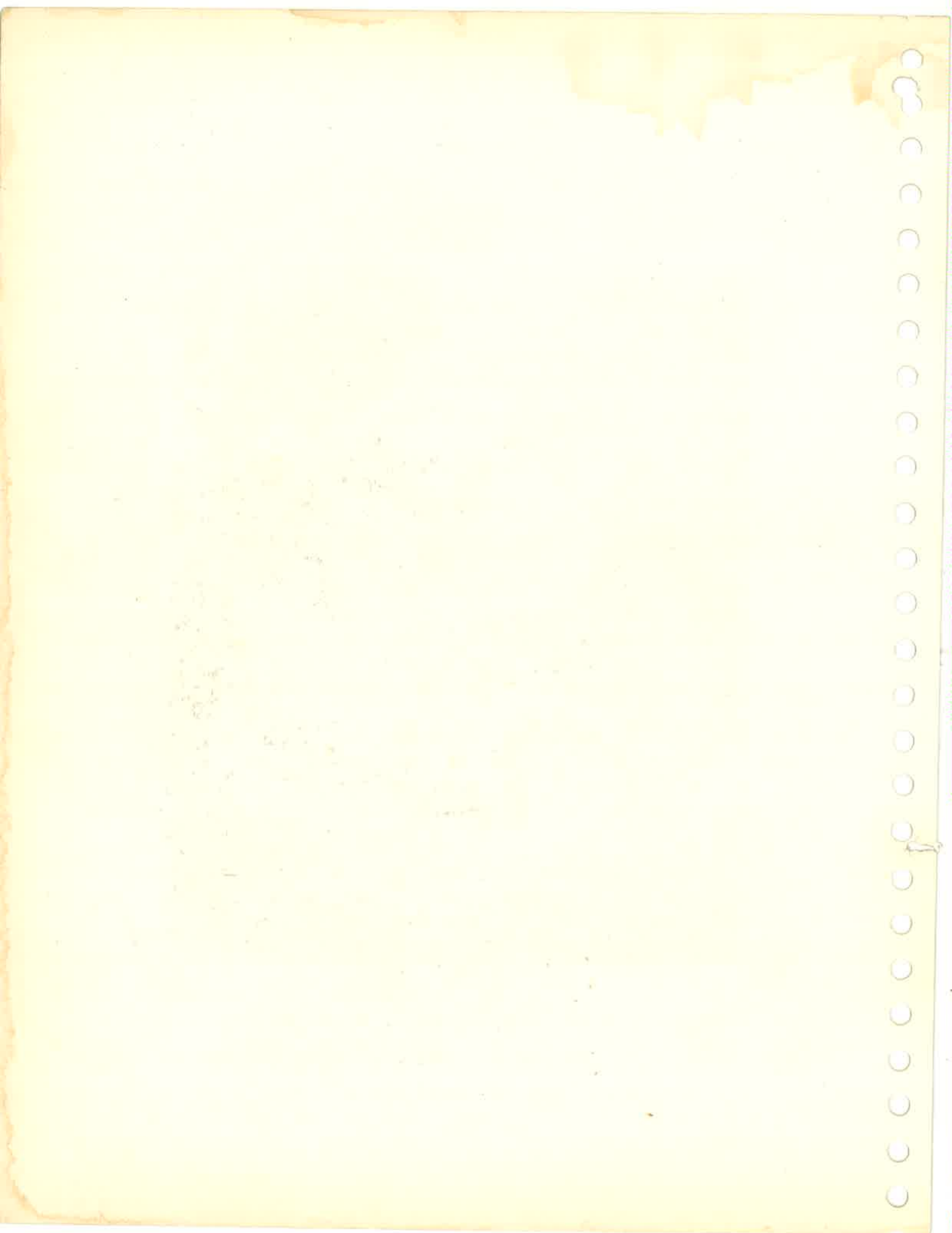
# ANNUAL REPORT-1993-94



CENTRAL ZOO AUTHORITY

## CENTRAL ZOO AUTHORITY

NEW DELHI



**THIRD  
ANNUAL REPORT  
1993-94**



CENTRAL ZOO AUTHORITY

**CENTRAL ZOO AUTHORITY**  
(Ministry of Environment & Forests)

**Headquarters**  
Barrack No. 4, Bikaner House,  
Shahjahan Road  
New Delhi-110 011



# CHAPTER-I

## INTRODUCTION

### Role of Central Zoo Authority:

The role of zoos as repositories of wildlife and centres for conservation awareness was realised by Government of India soon after independence and an open moated zoo was established in Delhi. The State Governments also followed the suit and well planned zoos covering extensive areas were set up in many big cities. However, to meet the recreational needs of the people large number of ill conceived menageries and mini zoos were also established, wherein very little attention was paid to the well being of the animals and their management on scientific lines. The decades of 1970s and 1980s brought about manifold increase in the number of such establishments.

With a view to stop the mushroom growth of unplanned and ill conceived zoos and ensure the development of zoos on scientific lines, zoos were brought under the purview of Wildlife (Protection) Act and the Central Zoo Authority was constituted to oversee and monitor the development and management of zoos in the country on 4.2.1992.

The main functions of Central Zoo Authority as defined under the Wild Life (Protection) Act are;

a) to specify the minimum standards for housing, upkeep and veterinary care of

the animals kept in a zoo;

b) to evaluate and assess the functioning of the zoos with respect to the standards or the norms as may be prescribed;

c) to recognise or derecognise zoos;

d) to identify endangered species of wild animals for purposes of captive breeding and assigning responsibility in this regard to a zoo;

e) to coordinate the acquisition, exchange and loaning of animals for breeding purpose;

f) to ensure maintenance of stud books of endangered species of wild animals bred in captivity.

g) to identify priorities and themes with regard to display of captive animals in a zoo;

h) to coordinate training of zoo personnel in India and outside India;

i) to coordinate research in captive breeding and educational programmes for the purposes of zoos;

j) to provide technical and other assistance to zoos for their proper management and development on scientific lines;

k) to perform such other functions as may be necessary to carry out the purposes of this Act with regard to zoos;

**Constitution of the Authority:**

During financial year 1992-93 the Authority comprised of :-

1. Minister, Environment & Forests - Chairman
2. Secretary, Environment & Forests - Member

3. Inspector General of Forests - Member
4. Director, Wildlife Institute of India - Member
5. Director, Indian Veterinary Research Institute - Member
6. Shri Pushp Kumar - Member
7. Dr. Jacob Cheeran - Member



*Sitting - L to R : Ms. Sheila Pasricha, Sri Kamal Nath (MEF and Chairman), Sri R. Rajamani, Secretary (E&F), Sri A.K. Mukherjee (IGF), Ms. Lekha Poddar.*

*Standing - L to R : Dr. J.V. Cheeran, S.K. Mukherjee, Director (WII), Sri Ashok Kumar, Sri S.C. Sharma (Member Secretary), Sri S. Dey (Addl. IGF), Sri Pushp Kumar, Sri S.K. Patnaik.*

- |   |   |
|---|---|
| 8. Ms. Sally Walker   | - Member  |
| 9. Ms. Sheila Pashricha                                     | - Member  |
| 10. Ms. Lekha Poddar  | - Member  |
| 11. Shri Ashok Kumar  | - Member  |
| 12. Joint Director (WL),<br>Ministry of Env. &<br>& Forests | - Ex-officio<br>Member<br>Secretary,<br>(on adhoc<br>basis) |

Shri S.C.Sharma was appointed as a whole time Member Secretary vide Notification.No. 6-3/91 WL-I dt.23/6/93 (copy at Annexure-I).

To ensure effective functioning of the Authority the Central Government appointed the Additional Inspector General of Forest (Wildlife) as Ex-officio member of Central Zoo Authority vide Notification No. 6-3/91 WL-I dt.4/11/93 (copy at Annexure-II) in lieu of the Director of Wildlife Institute of India, who was made a permanent invitee to the meetings of the Authority. Chairman, 'Animal Welfare Board' and President, 'Indian Zoo Directors Association', were also made permanent invitee to meetings of Central Zoo Authority.

### **An Overview of activities of the Central Zoo Authority:**

The main activities of Central Zoo Authority during the year were:-

1. Evaluation of the zoos with reference to minimum standards and norms fixed under the "Recognition of Zoo Rules, 1992";
2. Grant of recognition to zoos on the basis of the evaluation.
3. Finalisation of the list of "species coordinators" and participating zoos for planned breeding of endangered species;
4. Approval of animal exchange programmes between Indian zoos and with international zoos to facilitate breeding of endangered species;
5. Finalisation of the strategy for creating awareness about the role of zoos.
6. Organising research on different aspects of zoo management imparting technical skills to the zoo personnel;
7. Grant of financial assistance to zoos for improvement of housing, upkeep and veterinary care.

## CHAPTER - II

### IMPORTANT DECISIONS OF CENTRAL ZOO AUTHORITY

#### Meetings of the Authority:-

The Central Zoo Authority constituted a committee under the Chairmanship of Shri Pushp Kumar with the following as Members:

1. Veterinarian:  
Dr. J. V. Cheeran
2. Nature Educationists:  
Ms. Sally Walker  
Dr. Dhunkarkaria
3. Experienced Zoo Directors.  
Dr. J. H. Desai  
Shri S. K. Patnaik  
Shri S. C. Sharma

The Committee was authorised for classification of the zoos according to the norms prescribed in Zoo Recognition Rules under different categories i.e. Large, Medium, Small and Mini and work out a strategy for evaluation of zoos. The Committee was also directed to take up the evaluation of large and medium zoos on priority basis.

The Authority also directed that the Committee

should discuss its findings with senior officers in the Government, non-governmental organisation and individuals interested in the management of zoos so that awareness is created about the modern concepts of zoo management at local level,

2. The Authority decided that the zoos must contribute effectively towards planned breeding of endangered species for the purposes of (a) display in zoos, (b) re-introduction in the wild. Reintroduction of wild animals is a highly technical subject and has to be dealt with caution. Therefore, for the time being the primary objective of the captive breeding programme will be to meet the demand of the zoos for the purpose of display in zoos. The list of priority species was also identified.







3. The Authority decided that optimum number of animals of different species to be displayed in the zoos should be fixed. The zoos which are having excessive number of animals should be persuaded to adopt population control measures particularly in respect of prolifically breeding species.

4. The Authority also decided that all the deer parks to be set up in future should not have an area less than 5 hectare. The number of deer in such parks should not exceed one animal per acre.

5. Central Zoo Authority constituted a Technical Committee under the Chairmanship

of Addl. I.G.F.(WL) to finalise the exchange programmes of animals between zoos expeditiously and to finalise the release of financial grants to the zoos. The Authority also decided to delegate the powers for approving the exchange programmes for tiger, panther, lion, bear, black buck, mugger, gharial and peacock, to the Member Secretary of the Authority.

6. It was also decided by the Authority that the zoos should be given financial help for improving their upkeep on 50:50 basis. This would keep that the request for financial grants within realistic limits.

## CHAPTER - III

### EVALUATION AND GRANT OF RECOGNITION TO ZOOS

The Evaluation Committee met in Delhi on 16th and 17th August, 1993 and finalised the format in which the information was to be asked from Directors of various Zoos prior to evaluation. Information in this format was of much use in subsequent evaluation of the zoos. With reference to the prescribed standard and norms, 15 zoos qualified as large zoos,

Giri Upvan, Bombay. The evaluation reports for 4 zoos namely; National Zoological Park, Delhi, Prince of Wales Zoological Park, Lucknow, Kanpur Zoological Park, Kanpur and M.C. Chhatbir Zoological Park, Chandigarh, were placed before the Central Zoo Authority in its meeting dated 8.11.1993. The four zoos were granted recognition subject



17 zoos qualified as medium zoos, 32 zoos qualified as small zoos and the rest as mini zoos. The list of these zoos is at Annexure-III.

During the financial year the Evaluation Committee evaluated all the 15 large zoos, 3 medium zoos namely Jaipur Zoo, Van Vihar Zoo and Trivandrum Zoo, 4 small zoos namely; Padmaja Naidu Himalayan Zoological Park, Darjeeling Kamla Nehru Zoological Garden, Indore, Bondla Zoo, Goa, Krishna

to the condition that they will comply with the conditions prescribed by the Authority within a period of 2 years.

Tata Zoological Park, Jamshedpur was in initial stage of establishment. Therefore, as a special case adhoc recognition was granted to it by the Authority for one year subject to the condition that detailed evaluation of the zoo would be carried out once it becomes fully functional.

## CHAPTER -IV

### PLANNED BREEDING OF ENDANGERED SPECIES

As directed by the Central Zoo Authority, Regional meetings for finalisation of the strategy for planned breeding of endangered species were held at Madras, Baroda and Jaldapara on 10th October, 17th October and 5th December, 1993. No meeting was organised for the Northern region. The list of species coordinators and participating zoos finalised in these meetings was approved by the Central Zoo Authority. The list of

N. Bhaskar were given contract appointment to complete this job. By the end of the year they had completed the field work and the processing of the data is in progress.

At the CBSG annual meeting in Antwerp, Belgium the Tiger group requested Member Secretary, Central Zoo Authority that India should nominate a 'National Coordinator' for planned breeding of tigers. As a follow up



species coordinators and participating zoos as approved by the Central Zoo Authority is at Annexure-IV.

Being quite concerned about the number of hybrid lions and tigers of unknown lineage of different zoos, Central Zoo Authority decided to prepare the "stud books" for Asiatic lion and Bengal tiger on priority basis. Therefore, Mr. Bipul Chakraborty and Mr.

Shri.S.K.Patnaik was nominated as 'National Coordinator for breeding of Bengal Tiger'

#### **Exchange proposal of zoo animals:**

The Technical Committee of Central Zoo Authority met on 15.7.93; 25.9.93; 3.1.94 and 18.2.94. On the basis of the recommendations of technical committee and under the powers of Member Secretary exchange programmes as given at Annexure-V were approved.

## CHAPTER-V

### EDUCATION AND AWARENESS

The visit of the evaluation team to every State was followed up by a press conference/meeting of the interested organisations of the individuals with the zoo management. By and large there was wide coverage in press about the changing role of zoos and modern strategies for achieving those objectives.

The evaluation team discussed with every zoo director of the large zoo the possibilities of involvement of students in "Friends of Zoos Programme". This would help in creating a strong force of committed wildlife enthusiasts. Patna Zoo, Trivandrum Zoo and Nandankanan Zoo are already doing good work in this direction.

The Central Zoo Authority organised a talk by Dr. Jeremy Chefras, writer of

the famous book "Zoo 2000" at India International Centre, New Delhi in which the press and animal welfare enthusiasts participated in large number.

The meeting of the Education Subcommittee was held on 3rd January, 1994 in which Dr. M.A. Haque, Joint Director, Ministry of Environment & Forests, Mr. K.R. Chandrashekher, Assistant Education Advisor, Department of Education, Dr. Hema Karkaria of Centre for Environment Education, Ahmedabad, Ms. Sally Walker, Mr. Pushp Kumar and Sh.S.C. Sharma, Member Secretary, Central Zoo Authority participated. The committee took the following important decisions:-

(1) It is not possible to include the subject



of zoos in the curriculum at primary school standard because the curriculum is already very heavy. Furthermore the curriculum already provides for creation of awareness about different animals. Even at the upper primary level only very preliminary information on zoos can be incorporated in text books.

- (2) The committee recommended that at higher secondary school level a separate chapter on zoos can be incorporated and at college level a separate book on role

of zoos can be introduced.

- (3) The committee felt that the purpose of creating awareness about wildlife conservation can not be achieved only through formal education. Some outdoor activities, particularly as visit to the zoos should be prescribed for various levels of education. But such programmes would be feasible only in cities which have zoos. The rural schools will have to rely mainly on formal education.



## CHAPTER-VI

### RESEARCH AND TRAINING

Wildlife Institute of India organised a capsule course for training of zoo personnel at Arignar Anna Zoological Garden, Vandalur, Madras in December/January 1994. 24 trainees from various Indian zoos participated in the course. The trainees were apprised of modern concepts of zoo management. Some field exercises on evaluation of zoos were also carried out by the trainees.

Authority participated in the meeting of the 'Conservation Breeding Specialist Group' (CBSG) and the 'International Union of Zoo Directors' (IUDZ) at Antwerp, Belgium from 03/09/93 to 10/09/93. During the visit he also visited Rotterdam Zoo and Zurich Zoo.

Conservation Breeding Specialist Group (CBSG) IUCN, and CBSG India, held



The Director, Padmaja Naidu, Himalayan Zoological Park, Darjeeling, Shri.N.C.Bahuguna participated in a training programme for breeding of endangered species at Jersey Wildlife Preservation, Trust, United Kingdom from 30/07/94 to 20/08/94.

The Member Secretary, Central Zoo

Population, Habitat Viability Analysis (PHVA) workshops for Lion Tailed macaque, Asiatic lion and Indian rhino at Madras, Baroda and Jaldapara. Central Zoo Authority was associated with these workshops and quite a large number of zoo directors actively participated in this workshops.

## CHAPTER-VII

### INTERNATIONAL CO-OPERATION



The following programmes were facilitated by the Central Zoo Authority:-

- (1) The Prime Minister of India presented a female sloth bear to the Berlin zoo.
- (2) The Minister of Environment and Forests, and the Chairman Central Zoo Authority
- (3) presented a pair of Asiatic lion to the Singapore zoo.
- (3) The Rotterdam zoo presented a Red panda to the Padmaja Naidu Himalayan Zoological Park, Darjeeling to facilitate the planned breeding of this endangered species.

## CHAPTER- VIII

### ADMINISTRATIVE MATTERS

The Central Zoo Authority was established in Feb.1992, for carrying out secretarial and accounts work in the Authority, one Administrative Officer and one Accounts Officer were engaged on contract basis. One

Personal Secretary, one Assistant and one LDC were appointed through deputation. During the year following regular post were created under the Central Zoo Authority for carrying out the functions:-

Name of the Post	No.of posts	Scale of post
1. Evaluating & Monitoring officer	1	3000-4500
2. Scientific officer	1	3000-4500
3. Finance officer	1	3000-4000
4. Private Secretary	1	2000-3500
5. Personal Assistant	1	1400-2300
6. Accountant	1	1640-2900
7. UDC	1	1200-2040
8. LDC	1	950-1500
9. Driver	1	950-1500
10. Peon	2	750-940

The Recruitment Rules for above posts are being finalised in consultation with the Department of Personnel and Ministry of Law. Two research assistants were appointed

during the year on contract basis to prepare the stud books for Bengal Tigers and Asiatic Lions.



## CHAPTER-IX

### FINANCIAL MATTERS

The issue of Notification for constitution of a Central Zoo Authority Fund and of exempting the donations made to the Authority from income tax is being processed in consultation with the Ministry of Finance and the Ministry of Law. The Notification would be issued shortly.

The Central Zoo Authority assisted 27 Zoos financially. The total amount disbursed was Rs.1.475 crores. The list of zoos, which received financial assistance from Central Zoo Authority during 1993-94 is at Annexure-VI.

#### Annual accounts:

The annual accounts of the Central Zoo Authority were prepared and submitted to the Principal Director of Audit, Scientific Department on 17th May 1994. The audit of accounts was carried out by a team of the office of the Principal Director of audits from 27/5/94 to 17/6/94. The copy of the audited accounts for the year 1993-94, containing receipts and payment, income and expenditure account together with the audit certificate is at Annexure-VII.

*Annexure-I*

**TO BE PUBLISHED IN PART II, SECTION 3, SUB-SECTION (ii) OF  
THE GAZETTE OF INDIA, EXTRAORDINARY, DATED THAT**

**Government of India  
Ministry of Environment & Forests**

Paryavaran  
Paryavaran Bhavan  
CGO Complex, Lodi Road  
New Delhi-110 003

June, 23, 1993

**NOTIFICATION**

S.O.....(E)..... In exercise of the powers conferred by section 38A of the Wild Life (Protection) Act, 1972 (55 of 1972) and in partial modification of the notification S.O. 113(E), dated the 3rd February, 1992, the Central Government hereby appoints Shri S.C. Sharma as the Member Secretary of the Central Zoo Authority w.e.f. 22.6.93 (F.N.).

In the aforesaid notification dated the 3rd February, 1992 for serial number 11 the entries relating thereto the following shall be substituted, namely:-

“11. Shri S.C. Sharma      Member Secretary”

Para 2 of the said notification stands deleted.

(S.S. HASURKAR)  
Joint Secretary to the  
Government of India  
F.No. 6-3/91 WL-1

To,  
The Manager,  
Government of India Press,  
Ring Road, Mayapuri,  
New Delhi

Copy for information to:

1. All Ministries/Departments including Planning Commission, Presidents' Secretariat, Vice President's Secretariat.
2. Prime Minister's Office, South Block, New Delhi.
3. The Chief Secretaries of All States/UTs.
4. Secretary (Forests) of all States/UTs.
5. Principal Chief Conservator of Forests (WL)/Chief Wildlife Warden of all States/UTs..
6. All attached/subordinate offices.
7. All Members of the Central Zoo Authority.
8. Director of Audit, Central Revenue, AGCR Building, New Delhi.
9. P.S. to Minister of Environment and Forests/Chairman Central Zoo Authority, New Delhi.
10. P.S. to Secretary (EF)/P.S. to IGF.
11. P.S. to All Additional Secretaries/Joint Secretaries.
12. PS. to Additional I.G.F. (WL)/Additional I.G.F. (WL)/Additional I.G.F. (RO)/Addl. Director (VR)/Addl. Director (R).
13. All other Divisional Heads.
14. All Administrative Sectors/Central Zoo Authority.
15. Shri S.C. Sharma, Member Secretary, Central Zoo Authority Bikaner House, New Delhi.

(S.S. HASURKAR)  
Joint Secretary to the  
Govt. of India

TO BE PUBLISHED IN PART II, SECTION 3, SUB-SECTION (ii) OF  
THE GAZETTE OF INDIA, EXTRAORDINARY, DATED THAT

Government of India  
Ministry of Environment & Forests

New Delhi: the 3.11.93

NOTIFICATION

S.O..... (E) ..... In exercise of the powers conferred by section 38A and 38B of the Wild Life (Protection) Act, 1972 (53 of 1971) the Central Government hereby appoints the Additional Inspector General of Forests (Wildlife) to be a member of the Central Zoo Authority with effect from the date of publication of this notification in the Official Gazette up to the 2nd day of February, 1995 and directs that the following amendments shall be made in the notification of the Government of India in the Ministry of Environment and Forests No. S.O. 113(E), dated the 3rd February, 1992 namely:

In the said notification, for serial No. 5 and the entries relating thereto, the following shall be substituted, namely :

- "5. Additional Inspector General of Forests (Wildlife)  
Ministry of Environment and Forests - Member"

(SARWESHWAR JHA)  
Joint Secretary  
to the Government of India

(No. 6-3/91 WL-I)

Foot Note : The Central Zoo Authority was constituted vide S.O. 113 (E), dated 3rd February, 1992 and subsequently amended vide:  
(1) S.O. 261(E) dated the 1st April, 1992  
(2) S.O. 315(E) dated the 4th May, 1992

To,  
The Manager,  
Govt. of India Press,  
Ring Road, Mayapuri,  
New Delhi-110 064.

**LIST OF ZOOS WHO HAVE APPLIED FOR RECOGNITION**

S.No.	STATE	NAME OF THE ZOO	LOCATION
<b>LARGE ZOOS</b>			
1.	Andhra Pradesh	Indira Gandhi Zoological Park	Visakhapatnam
2.	Andhra Pradesh	Nehru Zoological Park, Bahadurpura	Hyderabad
3.	Assam	Assam State Zoo Cum Botanical Garden	Guwahati
4.	Bihar	Sanjay Gandhi Biological Park	Patna
5.	Delhi	National Zoological Park	Mathura Road, New Delhi
6.	Gujarat	Kamla Nehru Zoological Garden, Kankaria	Ahmedabad
7.	Gujarat	Sakkarbaug Zoo	Junagarh
8.	Karnataka	Sri Chamarjendra Zoological Garden	Mysore
9.	Maharashtra	Veer mata Jijabai Bhosle Udyan Zoo	Byculla, Bombay
10.	Orissa	Nandankanan Zoological Park	Bhubaneswar
11.	Punjab	Mahendra Chaudhury Zoological Park	Chhat Bir, Chandigarh
12.	Tamil Nadu	Arignar Anna Zoological Park	Vandalur, Madras
13.	Uttar Pradesh	Kanpur Zoological Park	Kanpur
14.	Uttar Pradesh	Prince of Wales Zoological Gardens	Lucknow
15.	West Bengal	Zoological Garden, Alipore	Calcutta
<b>MEDIUM ZOOS</b>			
16.	Arunachal Prad.	Itanagar Zoological Park	Itanagar
17.	Bihar	Jawaharlal Nehru Biological park	Bokaro
18.	Gujarat	Sayaji Baug Zoo, Kareli Bagh	Baroda
19.	Kerala	Thiruvananthapuram Zoo	Thiruvanantha- puram

20.	Karnataka	Nat. Park, Bannerghatta Zoological Garden	Bangalore
21.	Madhya Pradesh	Gandhi Zoological Park	Gwalior
22.	Madhya Pradesh	Maitri Baag Zoo, Bhilai Steel Plant	Bhilai
23.	Madhya Pradesh	Van Vihar National Park	Bhopal
24.	Manipur	Manipur Zoological Garden, Iroisemba	Imphal
25.	Rajasthan	Jaipur Zoo	Jaipur
26.	Rajasthan	Jodhpur Zoo	Jodhpur
27.	Tamil Nadu	Children's Corner, Guindy National Park Madras	Gandhi Nagar
28.	Tamil Nadu	Madras Crocodile Bank Trust	Mamallapuram
29.	Tamil Nadu	Madras Snake Park Trust	Guindy, Madras
30.	Tamil Nadu	VOC Mini Zoo, Nehru Stadium	Coimbatore
31.	Tripura	Sephijala Zoological Park	Agartala
32.	West Bengal	Calcutta Snake Park Zoological Garden	Badu, 24-Pargana - North

#### SMALL ZOOS

33.	Andaman & Nicobar	Mini Zoo, Haddo	Port Blair
34.	Andhra Pradesh	Mahavir Harina Vanasthali Deer Park	Vanasthali Puram
35.	Andhra Pradesh	Sri Venkateswara Zoological Prk.,	Tirupati
36.	Bihar	Bhagwan, Birsa Biological Park	Ranchi
37.	Bihar	Satsang Zoo For Children Education	Deogahr
38.	Bihar	Tata Steel Zoological Park (TISCO)	Jamshedpur
39.	Gujrat	Municipal Zoo	Rajkot
40.	Gujarat	Balbhavan Children's Dreamlands	Rajkot
41.	Gujarat	Indorda Nature Park	Gandhi Nagar
42.	Gujarat	Maharaja Fatehsingh Zoo Trust, Sundervan Thana	Baroda
43.	Gujarat	Sir Peter Scott Nature Park	Jamnagar
44.	Gujarat	Surat Minicipal Zoo (Nature park)	Surat
45.	Goa	Bondla Zoo	Panaji
46.	Himachal Pradesh	Himalayan Nature Park	Kufri
47.	Haryana	Mini Zoo, Tilya Tourist Complex	Rohtak

48.	Kerala	State Museum & Zoo, Trissur	Trichur
49.	Karnataka	Bellary Childrens Park, Mini Zoo	Bellary
50.	Maharashtra	Aurangabad Municipal Zoo	Aurangabad
51.	Maharashtra	Krishna Giri Upwan, Borivili	Bombay
52.	Maharashtra	Maharajbagh Zoo	Nagpur
53.	Maharashtra	Peshwa Park Zoological Garden	Pune
54.	Madhya Pradesh	Kamla Nehru Prani Sangrahalaya	Indore
55.	Meghalaya	Lady Hydari Park, Animal Land	Shillong
56.	Mizoram	Aizwal Zoo, Bethlehem	Aizwal
57.	Nagaland	State Zoological Park	Kohima
58.	Rajasthan	Kota Zoo	Kota
59.	Rajasthan	Udaipur Zoo	Udaipur
60.	Rajasthan	Zoological Garden	Bikaner
61.	Uttar Pradesh	Sarnath Deer Park	Varanasi
62.	West Bengal	Krishna Sayar Snake Park	Burdhwan
63.	West Bengal	Marble Palace Zoo, Babu Street	Calcutta
64.	West Bengal	Padmaja Naidu Himalayan Zoological Park	Darjeeling

#### MINI ZOOS

1.	Andhra Pradesh	Alisagar Deer Park	Alisagar
2.	Andhra Pradesh	Deer Breeding Farm, Pakhal	Warangal
3.	Andhra Pradesh	Deer Park Research Station, Vempally	Sirpur ✓
4.	Andhra Pradesh	Deer Park, Chittoor Reserve Forest	Chittoor East Division
5.	Andhra Pradesh	Deer Park, Kesoram Cement	Basant Nagar, ✓ Karimnagar
6.	Andhra Pradesh	Municipal Deer Park	Rajahmundry
7.	Andhra Pradesh	Deer Park, NFCL Green Belt	Kakinada
8.	Andhra Pradesh	Deer Park, Tirumala Hills	Tirupati
9.	Andhra Pradesh	Himabindu Deer Park (Pullaiah Deer Park)	Kurnool ✓
10.	Andhra Pradesh	Jawahar Lake Tourist Complex	Shamirpet
11.	Andhra Pradesh	Kinnerasari Deer Park	Kinnerasari, Paloncha
12.	Andhra Pradesh	Mrugaya-NI Chilukur Deer Park	Chilukur

13.	Andhra Pradesh	Pillalamarri Deer Park	ahbab Nagar
14.	Andhra Pradesh	Regional Science Centre	Tirupati ✓
15.	Andhra Pradesh	Sabari Mini Zoo, Prathipadu	Minerva Nagar ✓
16.	Andhra Pradesh	Sakaligattu Deer Park	Nagarjun Sagar
17.	Andhra Pradesh	Vanavigyan Kendra, Hunter Road	Warangal
18.	Andhra Pradesh	Vijay Vihar Deer Park	Nagarjun Sagar
19.	Arunachal Pradesh	Miao Mini Zoo	Miao
20.	Arunachal Pradesh	Mini Zoo	Roing
21.	Bihar	Birsa Mrig Vihar	Kalamati, Ranchi
22.	Bihar	Chacha Nehru Island	Tilaiya, Hazaribagh ✓
23.	Bihar	Chandrapur Deer Park	Chandrapur
24.	Bihar	Deer Park, Maithon, DVC	Maithon Dam,
25.	Bihar	Jaiprakash Park	Bodh Gaya ✓
26.	Bihar	Jaiprakash Udyan	Bhagalpur ✓
27.	Bihar	Mugger Breeding Centre	Muta, Ranchi
28.	Bihar	Runkun Vihar Zoo, Paharpur	Gaya ✓
29.	Delhi	Deer Park	Dilshad Garden ✓
30.	Delhi	Deer Park	Jhilmil ✓
31.	Delhi	Deer Park	Hauz khas
32.	Dadra & Nagar Haveli	Deer Park	Satmaliya
33.	Dadra & Nagar Haveli	Khanvel Deer Park	Silvassa
34.	Dadra & Nagar Haveli	Mini Zoo Silvassa	Khanvel
35.	Gujarat	Fertilizer Nagar Deer Park	Baroda
36.	Gujarat	Narmada Wildlife Complex	Narmada Nagar ✓
37.	Gujarat	Nature Education Centre	Jamnagar
38.	Gujarat	Rajkot Municipal Corporation Zoo	Rajkot
39.	Gujarat	S. I. Works Quarry Pvt. Limited	Baroda ✓
40.	Gujarat	Sundervan Nature Discovery Centre	Ahmedabad
41.	Goa	Deer Park, Nampore	Daman
42.	Goa	Deer Park	Diu
43.	Himachal Pradesh	Dhauladhar Nature Park	Gopalpur
44.	Himachal Pradesh	Mini Zoo, Kalapur	Dharamsala



45.	Himachal Pradesh	Chinkara Pheasantry	Manali
46.	Himachal Pradesh	Pheasant Breeding Centre, Abushahar	Sirahan
47.	Himachal Pradesh	Pheasantry at Chail	Solan
48.	Himachal Pradesh	Renuka Zoo / Lion Safari	Sirmur
49.	Himachal Pradesh	Rewalsar Wildlife Zoo	Mandi
50.	Haryana	Chinkara Breeding Centre Kairu	Bhiwani
51.	Haryana	Deer Park	Meham ✓
52.	Haryana	Deer Park	Chandi Mandir
53.	Haryana	Deer Park	Hissar
54.	Haryana	Deer Park, NFL,	Panipat ✓
55.	Haryana	Mini Zoo	Jind ✓
56.	Haryana	Mini Zoo	Bhiwani
57.	Haryana	Mini Zoo	Pipli
58.	Haryana	Mini Zoo	Abudshahar ✓
59.	Haryana	Mini Zoo, Yadavanda Garden Tourist Complex	Pinzore ✓
60.	Haryana	Pheasant Breeding Centre	Morni
61.	Kerala	Crocodile Farm	Kozhikode
62.	Kerala	Crocodile Farm at Nayar Dam	Thirunvanthapuram
63.	Kerala	Deer Park, Ponnudi	Thirunvanthapuram
64.	Kerala	Hill Palace Zoo, Ernakulam	Thirunvanthapuram
65.	Kerala	Lion Safari Park at Nayar Dam	Thirunvanthapuram
66.	Kerala	Mini Zoo	Kodanadu
67.	Kerala	Snake Park, Malampuzha	Palakkad
68.	Karnataka	Antharagange Children Park	Kolar
69.	Karnataka	Bhutanal Deer Park	Bijapur
70.	Karnataka	Children Park & Zoo	Gadag
71.	Karnataka	Children's Park Mini Zoo	Shimoga
72.	Karnataka	Children's Park Sirsi Division	Sirsi
73.	Karnataka	Children's Mini Zoo	Dharwad

74.	Karnataka	Deer Children & Snake Park at Kadri Hill	Mangalore
75.	Karnataka	Indira Priyadarshini Sangrahalaya Davangere	Argodu, Taluk
76.	Karnataka	Kaiwara Topowana Chirtamani Talluk	Kolar
77.	Karnataka	Kempambudi Deer Park	Bangalore
78.	Karnataka	Kempegowda Vanadhana, Savanadurga	Magadi Taluk
79.	Karnataka	Kudremukh Mini Zoo	Chickmaglur
80.	Karnataka	Lalbagh Deer Park	Bangalore
81.	Karnataka	Lion & Tiger Safari, Bannerghata	Bangalore
82.	Karnataka	Mini Deer Park	Chickmaglur
83.	Karnataka	Mini Zoo	Hassan
84.	Karnataka	Mini Zoo A. M. Gudi Balvana	Chitradurga
85.	Karnataka	Mini Zoo Cum Children Park	Gulbarga
86.	Karnataka	Mini Zoo at Induval Nature Park	Mandya
87.	Karnataka	Mini Zoo at Kondajji Deer Park	Chitradurga
88.	Karnataka	Mini Zoo at Minakanagurkai	Kolar
89.	Karnataka	Mini Zoo, Kittur Rani	Bangalore
90.	Karnataka	Namadachilume Deer Park	Tumkur
91.	Karnataka	Nature Park	Raichur
92.	Karnataka	Sorakayalahalli Children & Deer Park	Kolar
93.	Karnataka	Tiger & Lion Safari, Thyavarekoppa	Shimoga
94.	Karnataka	Tungabhadra Dam Mini Zoo	Bellary
95.	Maharashtra	Aviculture & Captive Breeding, Kulgaon	Thane
96.	Maharashtra	Amte's Animal Park & Orphanage-cum- Rescume Home	Gadchiroli, Allapalli
97.	Maharashtra	Crocodile Centre, Tadoba	Chandra Pur
98.	Maharashtra	Hutatma Bag Prani Sangrahalaya	Solapur
99.	Maharashtra	Jawaharlal Nehru Van Udyan, Pandavlene	Nasik
100.	Maharashtra	Maharaja Shahaji Chhatrapati Zoo	Kolhapur
101.	Maharashtra	Mahatma Gandhi Rastriya Udyan Zoo	Solapur
102.	Maharashtra	Navegaon Bandh Wild Life Orphanage	Nagpur
103.	Maharashtra	Nehru Garden	Sangamner
104.	Maharashtra	Pal Wild Animal Orphanage	Jalgaon

105.	Maharashtra	Rani Bag Zoo	Buldana
106.	Maharashtra	Royal Kennel Charity Trust	Malad (Bombay)
107.	Maharashtra	Siminery Hills Deer Park	Nagpur
108.	Maharashtra	Shantiniketan Student Nature Club & Zoo	Sangli
109.	Maharashtra	Shri Ganjanan Vatika	Buldana
110.	Maharashtra	Snake Park & Aviary	Pune
111.	Maharashtra	Snake Park, Shikshan Mandal	Kolhapur
112.	Maharashtra	Somnath Prakalpa Zoo	Chandrapur
113.	Maharashtra	Tikuji-Ni-Wadi Zoo	Thane
114.	Maharashtra	Vasant Smruti Mrig Vihar, Umarsara	Yeotmal
115.	Maharashtra	Vivekanand Vidya Mdr.Zoo, Vivekanand Ngr.	Buldana
116.	Maharashtra	Pratapsingh Udyan,	Sangli
117.	Madhya Pradesh	Deer Park Tata Export Ltd.	Dewas
118.	Madhya Pradesh	Forest Training School, Wildlife Park	Betul
119.	Madhya Pradesh	Gharial Rearing Centre, Deori	Morena
120.	Madhya Pradesh	Indira Udyan	Bilaspur
121.	Madhya Pradesh	Malhar Smruti Mandir Zoo	Dewas
122.	Madhya Pradesh	Mrignayani Deer Park	Panchmarhi
123.	Madhya Pradesh	Nandan Van	Raipur
124.	Madhya Pradesh	S.F.R.I. Zoo	Jabalpur
125.	Madhya Pradesh	Vikram Vatika,	Ujjain
126.	Meghalaya	Ramakrishan Park	Shilong
127.	Meghalaya	Tura Zoo	Akhongini Tura
128.	Orissa	Chilka Deer Park	Puri
129.	Orissa	Deer Park, Berhampur University	Berhampur
130.	Orissa	Deer Park, Papadahandi	Nawarangpur
131.	Orissa	Gandhamardan Deer Park	Balangir
132.	Orissa	Gharial Research & Conservation Unit	Tikarapara
133.	Orissa	H.A.L. Deer Park, Koraput	Sunabeda
134.	Orissa	Harishankar Deer Park	Balangir
135.	Orissa	Indira Gandhi Park Zoo & Deer Park	Rourkela
136.	Orissa	Kapilash Zoo	Dhenkanal

137.	Orissa	Kuanria Deer Park Nayagarh Forest Divn.	Nayagarh
138.	Orissa	Regional Science Centre Zoo	Bhubaneswar
139.	Orissa	Motijharan Deer Park	Sambalpur
140.	Orissa	Municipality Deer Park	Cuttack
141.	Orissa	Palm Beach Zoo, Gopalpur	Behrampur
142.	Orissa	Panthanivas Deer Park, Chandipur	Balasore
143.	Orissa	Science Corner of Bal BhawNCSTC Network	Bhubaneshwar
144.	Orissa	Taptapani Deer Park, Parlalhemudi	Taptapani
145.	Orissa	Tribal Museum	Koraput
146.	Punjab	Deer Park, Bir Moti Bagh,	Patiala
147.	Punjab	Deer Park, Bir Talab	Bhatinda
148.	Punjab	Deer Park, Neelon	Ludhiana
149.	Punjab	Guest House Mini Deer Park, Thermal Coly	Bhatinda
150.	Punjab	Mini Zoo at Rose Garden	Ludhiana
151.	Punjab	Mini Zoo, Bansar Bagh	Sangrur
152.	Punjab	Mini Zoo, Ram Bagh	Amritsar
153.	Punjab	Mini Zoo, Sector 6	Chandigarh
154.	Punjab	Nature Park Bhatinda Military Station	Chandigarh
155.	Punjab	Tiger Safari,	Ludhiana
156.	Rajasthan	Deer Park, Shikarbadi	Udaipur
157.	Rajasthan	Mrig Van	Chitorgarh
158.	Rajasthan	Municipal Council Beawar Zoo	Beawar
159.	Rajasthan	Panchwati Deer park	Pilani
160.	Rajasthan	Safari Park, Haridasji Ki Magr	Udaipur
161.	Sikkim	Baguwa Pheasant Firm	Gangtok
162.	Sikkim	Himalayan Zoological Park, Bulbulcy	Gangtok
163.	Sikkim	Rustomji Deer Park	Gangtok
164.	Tamil Nadu	Amirdhi Zoo	Vellore
165.	Tamil Nadu	Gangaikondan Deer Park, Neliaik	Kattabom
166.	Tamil Nadu	Hogainakkal Mini Zoo	Dharmapuri
167.	Tamil Nadu	Kurumbapatti Zoological Park	Salem
168.	Tamil Nadu	Mini Zoo	Courtallam

169.	Tamil Nadu	Montfort School Mini Zoo, Yercaud	Salem
170.	Tamil Nadu	Shivganga Garden Mini Zoo	Thanjavur
171.	Tamil Nadu	St. Joseph's Mini Zoo	Coonoor
172.	Tamil Nadu	VOC Park Mini Zoo, Erode	Madras
173.	Tripura	Deer Park	Patichari
174.	Uttar Pradesh	Aranaya Bhawan	Buland Shahar
175.	Uttar Pradesh	Ban Devi Re-creation Park	Mau
176.	Uttar Pradesh	Cheetal Grand Motels Pvt. Ltd.	Muzaffar Nagar
177.	Uttar Pradesh	Cheetal Park, Khatauli	Muzaffar Nagar
178.	Uttar Pradesh	Chetna Kendra, Ridhani Range	Meerut
179.	Uttar Pradesh	Deer Park	Moradabad
180.	Uttar Pradesh	Deer Park, Air Force	Memaura
181.	Uttar Pradesh	Deer Park, Hindalco Industries Ltd.	Sunbhadra
182.	Uttar Pradesh	Deer Park, Narain Tewari, Dewal	Almora
183.	Uttar Pradesh	Gharial Rehabilitation Centre	Kukrail
184.	Uttar Pradesh	Indira Manoranjan Van (Deer Pk.), Mehewa	Lakhimpur Kheri
185.	Uttar Pradesh	Indira Park	Bijnor
186.	Uttar Pradesh	Katerniaghat Gharial Rehabilitation Centre	Bahraich
187.	Uttar Pradesh	Kukrail Deer Park & Gharial Rehabilitation Centre	Kukrail
188.	Uttar Pradesh	Laxman Pahari Mrig Vihar, (Deer Park)	Banda
189.	Uttar Pradesh	Malsi Deer park	Dehradun
190.	Uttar Pradesh	Mrig Vihar Van Chetna Kendra-Moth	Jhansi
191.	Uttar Pradesh	Musk Deer Breeding Ctr., Kanchula Khark	Chamoli
192.	Uttar Pradesh	Nawab Tank Mrig Vihar	Banda
193.	Uttar Pradesh	Nawabganj Deer Park	Unnao
194.	Uttar Pradesh	Nehru Van Chetna Kendra	Etah
195.	Uttar Pradesh	Rampur Mandi Deer Park & Aviary	Kalsi
196.	Uttar Pradesh	Sanjay Gandhi Mrig Vatika, Mangalore	Haridwar
197.	Uttar Pradesh	Shukraatal Chital Park	Muzaffar Nagar
198.	Uttar Pradesh	Van Chetna Kendra	Mussoorie
199.	Uttar Pradesh	Van Chetna Kendra	Agra
200.	Uttar Pradesh	Van Chetna Kendra, Brookland Estate	Musoorie

201.	Uttar Pradesh	Van Chetna Kendra, Jalaun	Orai
202.	Uttar Pradesh	Van Chetna Kendra, Kumarganj	Faizabad
203.	Uttar Pradesh	Van Chetna Kendra, Mukandpur	Agra
204.	Uttar Pradesh	Van Chetna Kendra, Narora	Buland Shahar
205.	Uttar Pradesh	Van Chetna Kendra, Vrindavan	Mathura
206.	Uttar Pradesh	Van Manoranjan Kendra	Rampur
207.	Uttar Pradesh	Van Prani Udyan, I V R I	Bareilly
208.	Uttar Pradesh	Van Vihar	Jaunpur
209.	Uttar Pradesh	Vanya Jantu Vihar, Dak Pathar	Dehradun
210.	Uttar Pradesh	Vinod Van Mini Zoo, Ramgarh	Gorakhpur
211.	Uttar Pradesh	Wyndhum Fall Mini Zoo	Mirzapur
212.	West Bengal	Birla Industrial & Technological Museum, Animalorium	Calcutta
213.	West Bengal	Corporation Park, Jogmaya	Howrah
214.	West Bengal	Deepak Mitra's Snake House, Hindustan Park	Calcutta
215.	West Bengal	Deer Park (Mini Zoo)	Jhargram
216.	West Bengal	Deer Park Dow Hill	Kurseong
217.	West Bengal	Deer Research Centre, Salt Lake	Calcutta
218.	West Bengal	Garmandaran Hooghly Zila Parishad	Hooghly
219.	West Bengal	Kujmari Kangsabuti Deer Park, Bonpakuria	Bankura
220.	West Bengal	Ramakrishna Mission Vidalaya, Student Home	Narendrapur
221.	West Bengal	Digha Snake Park Reptile, Research & Snake-bite treatment.	Digha, Midnapore
222.	West Bengal	West Bengal Snake Park & Laboratory	Badu, 24-Pargana - North

#### TOURING ZOOS

1.	Bihar	Ajanta Tourist Zoo, Mirshikar Toli	Patna
2.	Bihar	Amar Toruist Zoo	Patna
3.	Bihar	Bajrang Zoo	Darbhanga
4.	Bihar	Bharat Zoo, Gulzar Bagh	Patna
5.	Bihar	Diamond Tourist Zoo	Patna

6.	Bihar	Gemini Tourist Zoo	Patna
7.	Bihar	New Janta Travelling Zoo, Mirshikar Toli	Patna
8.	Bihar	New Ramond Tourist	Patna
9.	Bihar	Ramond Tourist Zoo, Mirshikar Toli	Patna
10.	Bihar	Sri Pramod (Touring Zoo)	Muzaffarpur
11.	Bihar	Tourist Janta Zoo	Patna
12.	Tamil Nadu	Manjunatha Mini Zoo (Mobile), Nesapakkam Madras	
13.	Uttar Pradesh	Azad Chirya Ghar (Touring)	Varnasi
14.	Uttar Pradesh	Bajrang Touring Zoo	Varanasi
15.	Uttar Pradesh	Bharat Mini Zoo, Chilkana	Saharanpur
16.	Uttar Pradesh	Bina Kamal Golden Zoo	Buland Shahaar
17.	Uttar Pradesh	New Pardesi Touring Zoo	Hardoi
18.	Uttar Pradesh	Pardeshi Chirya Ghar, Sitapur, Avodh	Harodi
19.	West Bengal	Anita Mobile Zoo, Baruipur	Pargana South
20.	West Bengal	Chitra Touring, J. N. Sarkar Street	Calcutta
21.	West Bengal	Famous Mobile Zoo	Howrah
22.	West Bengal	Jaya Mobile Zoo	Howrah

#### PROPOSED ZOOS

1.	Andhra Pradesh	BHEL Deer Park	Hyderabad
2.	Andhra Pradesh	Deer Park, Begumpet	Hyderabad
3.	Andhra Pradesh	Sanghi Deer Park	Sanghi Nagar
4.	Andhra Pradesh	Small Collection Of Animals	Anarparthi
5.	Dadra & Nagar Haveli	Vasona Tiger Safari	Vasona
6.	Karnataka	Deer Park at Shri Kshetra Sogal	Soundatti
7.	Maharashtra	Dadasaheb Vagre Snake Park	Yavatmal
8.	Maharashtra	Sameer Udyan Zoo, Sakarwadi	Ahmed Nagar
9.	Maharashtra	Vayu Sena Nagar Zoo	Nagpur
10.	Nagaland	Nagaland Zoological Park, Rangapahar	Dimapur
11.	Orissa	Konark Deer Park	Konark
12.	Punjab	Agarsar Athanve Nature Park	Patiala Cantt.
13.	Tamil Nadu	Coimbatore Zoological Park, Thuvaipathi Village	Coimbatore

383  
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404

14.	Uttar Pradesh	Amaltas Mrigdav Kalpi	Orai
15.	Uttar Pradesh	Mrig Evam Pakshi Vihar	Jhansi
16.	Uttar Pradesh	Pt. Govind Ballabh Pant High Altitude Zoo	Nainital
17.	Uttar Pradesh	Van Chetna Kendra, Nagal	Saharanpur
18.	West Bengal	Anath Ashram Banya Prani Bikash Udyan	Bishalazmipur
19.	West Bengal	Deer Park, Belari Sri Ram Krishna Ashram	Howrah
20.	West Bengal	Deer Park, Farrakka Super Thermal Power Project	Murshidabad
21.	West Bengal	Life Science Corner, Bidhan Nagar	Burdwan

#### ZOOS WHICH HAVE BEEN CLOSED/REFUSED RECOGNITION

1.	Assam	Bizni Zoo	Guwahati
2.	Gujarat	Silver Oak Happy Zoo	Ahmedabad
3.	Himachal Pradesh	Zoo Tutikandi	Shimla
4.	Maharashtra	Deer Park, Gangapur	Nashik
5.	Maharashtra	Deer Park, Rambagh	Chandrapur
6.	Maharashtra	Shivaji Udyan	Nashik
7.	Maharashtra	Amita Zoo & Breeding Farm	Bombay
8.	Tamil Nadu	Amusement & Picnic Resort (P) Ltd.	Madras
9.	Uttar Pradesh	Mini Zoo & Breeding Farm	Meerut Cantt.
10.	Uttar Pradesh	Mini Zoo in Electra Vidyapeeth	Meerut



## LIST OF THE SPECIES COORDINATORS AND PARTICIPATING ZOOS

S.No.	Name of the species	Species Coordinator	Participating Zoo
1.	Rock Python ( <i>Python molurus</i> )	CWLW, Tamil Nadu	Madras Snake Park, Madras Zoo, & Madras Crocodile Bank.
2.	† Great Indian Hornbill ( <i>Buceros bicornis</i> )	CWLW, W.B.	Calcutta Zoo, Guwahati Zoo,
3.	✕ Blyth's Tragopan ( <i>Tragopan blythi</i> <i>blythi</i> )	CWLW, Nagaland	Gangtok Zoo, Darjeeling Zoo, Dimapur Zoo
4.	Western Tragopan ( <i>Tragopan</i> <i>melanocephalus</i> )	CWLW, H.P.	Kufri Zoo, Nainital Zoo, Pheasantry Chail, Sirhan Pheasantry and Manali Pheasantry.
5.	Cheer Pheasant ( <i>Catreus wallichi</i> )	CWLW, H.P.	-do-
6.	Monal Pheasant ( <i>Lophophorus impejanus</i> )	CWLW, H.P.	Darjeeling Zoo Kufri Zoo,
7.	White winged wood duck ( <i>Cai rina-scutalata</i> )	Chief Wildlife Warden, Arunachal Pradesh	Miao Aviary
8.	† Flamingo ( <i>Phoenicopterus</i> <i>roseus</i> )	Director, Ahmedabad Zoo	Ahmedabad Zoo Kanpur & Patna Zoos
9.	✕ Great Indian Bustard ( <i>Choriotis nigriceps</i> )	CWLW, M.P.	Bhopal, Hyderabad & Ahmedabad Zoos.
10.	✕ Lesser Florican ( <i>Sypheotides indica</i> )	-do-	-do-
11.	✕ Nicobar Pigeon ( <i>Megapodius freycinet</i> )	CWLW, Gujarat.	Ahmedabad Zoo

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| 12.   | Hoollock Gibbon,<br>( <i>Hylobates hoolock</i> )   | CWLW, Assam                                | Guwahati Zoo.<br>Calcutta Zoo  |
| 13.   | Golden Langur<br>( <i>Presbytis geei</i> )         | -do-                                       | -do-   |
| 14.   | Nilgiri Langoor<br>( <i>Presbytis Johni</i> )      | CWLW,<br>Tamil Nadu                        | Madras, Trivandrum &<br>Hyderabad Zoos.  |
| 15.   | Lion-tailed Macaque<br>( <i>Maccaca silenus</i> )  | CWLW,<br>Karnataka,                        | Madras, Mysore,<br>Hyderabad, Trivandrum,<br>Kanpur, Nandankanan<br>Zoos & National<br>Zoological Park                           |
| 16.   | Slow loris<br>( <i>Nycticebus coucang</i> )        | CWLW, Assam                                | Guwahati Zoo,  |
| ✓ 17. | Asiatic Lion<br>( <i>Panthera leo persica</i> )    | CWLW, Gujarat                              | Junagarh, Ahmedabad<br>Zoos & NZP, Delhi.<br>Bhopal Zoo, Chandigarh<br>Kanpur, Madras,<br>Mysore, Calcutta &<br>Nandankanan Zoo. |
| 18.   | Snow leopard<br>( <i>Panthera uncia</i> )          | CWLW, W.B./Director,<br>PNHZZP, Darjeeling | Darjeeling Zoo,<br>Nainital Zoo &<br>Kufri Zoo   |
| 19.   | Clouded leopard<br>( <i>Neofelis nebulosa</i> )    | Chief Wildlife Warden<br>Govt. of W.B.     | Patna Zoo, Calcutta<br>Zoo & Guwahati Zoo.   |
| 20. ✓ | Fishing Cat<br>( <i>Felis viverrina</i> )          | CWLW, W.B.                                 | Calcutta Zoo,<br>Guwahati Zoo, &<br>Patna Zoo &  |
| 21. ✓ | Caracal<br>( <i>Felis caracal</i> )                | CWLW,<br>Madhya Pradesh.                   | Bhopal, Ahmedabad &<br>Junagarh zoos.  |
| 22. ✓ | Rusty Spotted Cat &<br>( <i>Felis rubiginosa</i> ) | CWLW, Gujarat &<br>Director, Ahmedabad Zoo | Ahmedabad Zoo  |
| 23. ✓ | Red Panda<br>( <i>Ailurus fulgens</i> )            | CWLW, W.B.                                 | Darjeeling Zoo,  |

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| 24. ✓ | Wild Dog<br>( <i>Cuon alpinus</i> )                                  | CWLW, A.P.<br>Hyderabad                             | Hyderabad, Madras &<br>Vishakhapatnam Zoos.   |
| 25. ✓ | Asiatic Wolf<br>( <i>Canis lupus pallipes</i> )                      | CWLW, Karnataka                                     | Madras, Nandankanan,<br>Vishakhapatnam,<br>Hyderabad, Ahmedabad<br>& Junagarh zoos. |
| ✓ 26. | Swamp Deer<br>( <i>Cervus duvauceli</i><br><i>duvauceli</i> )        | CWLW, UP  | Lucknow, Kanpur,<br>Chandigarh Zoo. &<br>National Zoological<br>Park Delhi          |
| 27.   | Swamp Deer,<br>( <i>Cervus, duvauceli brandari</i> )                 | Director, Van Vihar<br>National Park/<br>CWLW, M.P. | Van Vihar National<br>Park, Bhopal.   |
| ✓ 28. | Brow-Antelared Deer<br>( <i>Cervus eldi eldi</i> )                   | Director<br>WII                                     | Calcutta Zoo<br>N.Z.P Delhi &<br>Manipur Zoo.                                       |
| 29.   | Four horned antelope<br>( <i>Tetraceros</i><br><i>quadricornis</i> ) | Director,   | Mysore Zoo,<br>Hyderabad Zoo,<br>Nandankanan Zoo.                                   |
| 30.   | Mouse Deer<br>( <i>Tragulid meminna</i> )                            | CWLW, A.P.  | Ahmedabad,<br>Vishakhapatnam,<br>Hyderabad &<br>Nandankanan Zoos                    |
| ✓ 31. | Chinkara<br>( <i>Gazella gazella</i> )                               | CWLW, Rajasthan                                     | Ahmedabad, Jaipur,<br>Chandigarh, Kanpur<br>Zoos & N.Z.P, Delhi                     |
| 32.   | Gaur<br>( <i>Bos gaurus</i> )  | Chief Wildlife Warden,<br>Karnataka, Bangalore.     | Nandankanan, Mysore<br>Vandalur, Hyderabad.   |
| ✓ 33. | Indian Wild Ass<br>( <i>Equus hemionus khur</i> )                    | CWLW,<br>Gujarat,                                   | Junagarh, Ahmedabad<br>Zoos & NZP, Delhi  |
| 34.   | Nilgiri Tahr<br>( <i>Hemitragus hylacrius</i> )                      | CWLW,<br>Tamil Nadu, Madras.                        | Deer Park, Ooty.  |
| 35.   | Indian Rhinoceros<br>( <i>Rhinoceros unicornis</i> )                 | Addl.IGF(WL)  | Guwahati, Kanpur,<br>Calcutta & Patna   |

## EXCHANGE PROPOSAL BETWEEN INDIAN ZOOS CLEARED DURING 1993-94

Donor zoo	Animal	Sex ratio	Accepting zoo
1. Alipore zoo Calcutta	Bhutan grey	1:3	M.C.Zoological park, Chandigarh
	Peacock pheasant		
	Jaguar	1:1	-do-
	Jaguar	1:1	Kanpur zoo
	Sangai	1:0	-do-
	Fallow deer	0:1	Nandankanan zoo.
2. M.C.Zoological park, Chandigarh	Bar headed geese	2:2	Alipore zoo
	Hippopotamus	1:0	-do-
	Assamese monkey	3:3	-do-
	Leopard(black)	1:1	Nandankanan zoo
3. Kanpur zoo	Zebra	1:1	Alipore zoo
	Sangai	1:0	-do-
	Sika deer	1:2	Gwalior
	Leopard	1:1	Itanagar
	Swamp deer	2:0	Lucknow zoo
4. Nehru Zoological park, Hyderabad	Chimpanzee	1:0	Jaipur zoo
5. National Zoological Park, Delhi	Red sided electus	1:0	Kamla Nehru zoo Ahmedabad
	Sangai	1:1	-do-
	Sangai	1:0	-do-
	Sangai	1:1	Assam state zoo
6. Kamla Nehru zoo, Ahmedabad	Fallow deer (brown)	1:2	National Zoological park, Delhi
	Fallow deer (White)	0:2	-do-
	Otter	1:1	Van Vihar National park, Bhopal

	Gahrial	0:4	Nandankanan zoo	
	Mouse deer	2:2	-do-	
	Porcupine(white)	1:1	-do-	
	Tibetan goat	5:5	-do-	
	Peacock(white)	2:2	-do-	
	Nicobar pigeon	3:3	-do-	
	Patagonian conure	1:1	-do-	
	Spoon bill	3:3	-do-	
	Sulphur crested cokatoo	1:1	-do-	
	Purple capped lory	1:1	-do-	
	Elligers macaw	1:1	-do-	
	Brown eared connure	2:2	-do-	
	Peach faced love bird	5:5	-do-	
	Fishers love bird	5:5	-do-	
	Blue mask love bird	5:5	-do-	
	Cockatiel	2:2	-do-	
	Otter	1:1	-do-	
	Peacock(white)	1:1	National zoological park, Delhi	
	Fallow deer(white)	1:0	-do-	
	Pig-tailed macaque	0:1	-do-	
7.	Nandankanan zoo, Bhubneswar	Bengal tiger(white)	1:1	M.C.zoological park, Chandigarh
	Lion Tailed macaque	1:1	Patna zoo	
	Gharial	1:0	Kamla Nehru zoo, Ahmedabad	
	Bengal tiger(white)	1:0	-do-	
	Barking deer	2:2	Arignar Anna Zoological Park, Madras.	
	Hog deer	1:2	-do-	
	Civet	1:1	-do-	
	Bengal tiger(white)	0:1	-do-	
	Mithun	1:0	Alipore zoo, Calcutta	

8.	Assam State zoo,	Leopard cat	1:2	National Zoological Park, Delhi
9.	Patna zoo,	Slow loris	1:1	Nandankanan Zoo
		Golden langur	1:0	-do-
		Leopard cat	1:2	-do-
10.	Prince of Wales Zoological Garden, Lucknow.	Swamp deer	0:4	Kanpur zoo
11.	Jaipur zoo	Bengal tiger(white)	0:1	Nehru Zoological Park, Hyderabad
		Wolf	1:1	-do-
12.	Vanvihar National, park, Bhopal	Sloth bear	1:0	Kamla Nehru Zoo, Ahmedabad
13.	Gwalior zoo	Chausingha	2:2	Kanpur zoo
14.	Itanagar Zoo	Mithun	1:1	Kanpur zoo
15.	Field Director, Project Tiger, Kanha	Bengal Tiger	2:1	Van Vihar, Bhopal
16.	Sri Cahmarajendra Zoological Garden Mysore.	Sloth bear	1:1	Trivandrum zoo
		Fallow deer	1:1	-do-
		Common langur	1:1	-do-
		Sangai	0:1	-do-
17.	Arignar Anna Zoological Park Madras.	Hippotamus	1:0	Nandankanan zoo
		Jungle cat	1:0	-do-
		Bonnet monkey	2:2	-do-
		Sambar	2:2	-do-
		Peafowl(white)	3:3	-do-

18.	Trivandrum zoo	Hog deer	2:2	Sri Chamarajendra Zoological park, Mysore.
		Nilgiri langur	1:2	-do-
		Hyena	1:0	-do-
		Tapir	1:0	-do-
19.	Windham Fall Van Manoranjan park, Mirzapur	Chausingha	1:0	Kanpur zoo

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**Exchange proposal between Indian Zoos and Foreign Zoos cleared in 1993-94**

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1.	National Zoological Park, Delhi	Grey langur	1:2	Zoological Zaharada USTI-Czechoslovakia Zoological Park, Organisation, Bangkok
		Hanuman langur	2:4	
2.	Nandankanan zoo	Gharial	1:2	-do-
		Bengal tiger(white)	1:0	-do-
		Bengal tiger	0:1	-do-
		Hanuman langur	2:4	-do-
		Gharial	2:4	Singapore
		Sloth bear	1:1	-do-
3.	Nehru Zoological Park, Hyderabad	Marsh crocodile	2:2	-do-
		Sloth bear	2:2	-do-
4.	Arignar Anna Zoological Park, Vandalur, Madras	Asiatic lion	0:1	-do-
5.	Sri Chamarajendra Zoological Garden, Mysore.	Elephant	1:0	Kolmardens Tiger Park, Sweeden.
6.	Centre for Herpe- tology, Madras Croc. Bank.	Gharial	2:2	Singapore Zoological Garden.

7.	Zoological Zahrada, USTI-Czechoslovakia	Sooty Mangaby	1:2	National Zoological Park, Delhi
8.	Zoological Park, Organisastion, Bankok.	White Handed Gibbon	2:2	Nandankan Zoo.
		Malayan Sun Bear	1:2	- do -
		Binturong	1:1	- do -
		Dusky Langoor (Presbytis obscura)	1:2	- do -
9.	Singapore Zoo	Chimpanzee	1:2	- do -
		Puma	2:2	Nehru Zoological Park, Hyderabad.
		Jagaur	2:2	- do -
		Pigmy Hippo	0:1	Arignar Anna Zoological Park, Madras
		Reticulate Python	1:1	Madras Croc. Bank.
		King Cobra	1:1	-do-
10.	Kolmardens Tiger Park, Sweeden.	Chimpanzee	2:3	Sri Chamarajendra Zoological Garden, Mysore.



**FINANCIAL ASSISTANCE GIVEN TO DIFFERENT ZOOS  
DURING THE YEAR 1993-94**

S. No.	Name of the Zoo	Amount
1	Jodhpur Zoo, Jodhpur, Rajasthan	1,82,500.00
2	Mysore Zoo, Karnataka	7,70,000.00
3	Manipur Zoo, Imphal	4,30,000.00
4	Bhopal Zoo, Madhya Pradesh	7,35,000.00
5	Bhondla Zoo, Goa	3,00,000.00
6	Nandankanan Zoo, Bhubaneswar	10,00,000.00
7	Jaipur Zoo, Jaipur, Rajasthan	92,500.00
8	Alipore Zoo, Calcutta, W.B.	6,80,000.00
9	Arignar Anna Zoological Park, Vandalur	8,50,000.00
10	Thirupathi Zoo, Andhra Pradesh	4,50,000.00
11	Kamla Nehru Zoological Park, Ahmedabad	5,40,000.00
12	Biological Park, Ranchi, Bihar	1,00,000.00
13	Gwalior M.C. Zoo, Gwalior	2,00,000.00
14	Indore M.C. Zoo, Indore	10,00,000.00
15	M.C. Zoological Park, Chhatbir	9,87,500.00
16	Morni Hills, Haryana	2,50,000.00
17	Guwahati Zoo, Assam	6,67,000.00
18	Darjeeling Zoo, Darjeeling, W.B.	19,75,000.00
19	Bikaner Zoo, Bikaner, Rajasthan	65,000.00
20	Nehru Zoological Park, Hyderabad	6,50,000.00
21	Sakkarbaug Zoo, Junagadh	8,67,763.00
22	Himalayan Nature Park, Kufri, Shimla	1,97,500.00
23	State Zoo, Itanagar	2,85,000.00
24	Thiruvananthapuram Zoo, Kerala	5,60,500.00
25	State Zoo, Aizwal, Mizoram	2,00,000.00
26	Madras Snake Park, Madras	2,14,000.00
27	Bannerghatta Zoo, Bannerghatta	5,00,000.00
Total		<u>1,47,49,263.00</u>

**CENTRAL ZOO AUTHORITY**  
**(Ministry of Environment & Forests)**  
**Receipts and Payments Account for the year ending 31.3.94**

<u>RECEIPTS</u>		<u>PAYMENTS</u>	
To Opening Balance as 1.4.93	85,619.35	By grant to Zoos	1,47,49,263.00
To grant-in-aid from Central Govt.	1,65,00,000.00	By salaries	3,14,987.55
DD receipt back from Guwahati Zoo.	3,82,000.00	By wages	63,433.00
To recoveries of festival advance	720.00	By stationery	28,357.30
<u>To Misc. Receipts</u>		By printing & binding	1,584.00
i) Fees received from zoos with applications for recognition	96,500.00	By furniture, fixture & furnishing	35,863.00
ii) Fees received with application for the post of Member Secretary	8.00	By equipment & machinery	4,68,451.00
iii) Int. on fixed deposit	1,84,931.00	By vehicles	2,33,256.00
To Income tax	9,521.00	By conveyance & cartage	8,873.00
To Licence Fee	3,600.00	By travelling allowance	1,76,190.00
To recoveries from pay bills adjustable by other Depts./ bodies	69,954.55	By fees & honorarium	500.00
		<u>BY TELEPHONE CHARGES</u>	
		(i) Deposit	45,000
		ii) Charges	67,216
		By books & publications	1,12,216.00
		By postage & telegram	23,860.00
		By evaluation of zoos	9,899.50
		By bank commission	2,76,240.00
		By refreshments	35,822.00
		By Misc. expenses	4,090.00
		By advertisement and publicity	80,557.20
		By O.T.A.	24,635.00
		By hiring of accommodation for MS	1,225.00
		By medical expenses	33,000.00
		By festival advance	915.00
		By training, education & international workshop & conferences	600.00
		By cash security for leased accommodation	2,66,603.00
		By cash deposit for POL	13,500.00
		By POL A/c	3,000.00
		By L/S & pension contributions	9,538.00
		By income tax paid	1,516.00
		By remittance to other Govt. Depts./ othe bodies deductions from staff taken on foreign service.	9,521.00
		69,954.55	
		<u>BY CASH BALANCE</u>	
		At Bank	2,73,072.80
		In hand	331.00
		Imprest with A.O.	2,000.00
			2,75,403.80
<b>Total</b>	<b>1,73,32,853.90</b>		<b>1,73,32,853.90</b>
<u>Details of opening balance:-</u>			
i) Cash in Hand	175.45		
ii) Cash at Bank	83,443.90		
iii) Imprest with A.C.	2,000.00		
	<u>85,619.35</u>		

(S.C. SHARMA)  
MEMBER SECRETARY

**CENTRAL ZOO AUTHORITY**  
**Balance Sheet as at 31.3.1994**

LIABILITIES		ASSETS	
<u>CENTRAL ZOO AUTHORITY FUND</u>		<u>FIXED ASSETS</u>	
Opening Balance :	4,92,350.35	Furniture, fixture and fittings	
<u>Add.</u>		O.B.	2,39,782
Excess of Income over Expenditure	9,67,594.45	Addition	35,863
	14,59,944.80		2,75,645.00
	14,59,944.80	Equipment & Machinery	
		O.B.	1,26,385
		Additions	4,68,451
			5,94,836.00
		Vehicles	2,33,256.00
		<u>Books and Periodicals</u>	
		O.B.	40,150
		Additions	23,860
			64,010.00
		Festival Advance (Recoverable from staff members)	300.00
		Security Deposits	
		i) Leased accommodation for MS	13,500.00
		ii) POL Account	3,000.00
		<u>CASH AND BANK BALANCE</u>	
		Bal. with Syndicate Bank	2,73,072.80
		Cash in Hand	331.00
		Impreset with Admn. Officer	2,000.00
			2,75,403.80
			2,75,403.80
Total	14,59,950.80		14,59,950.80

(S.C. SHARMA)  
MEMBER SECRETARY

**CENTRAL ZOO AUTHORITY**  
**Income and Expenditure for the year 1993-94**

EXPENDITURE		INCOME	
To Grant to Zoos	1,47,49,263.00	By Grant-in-aid from Min. of Env. and Forests	1,65,00,000.00
To Salaries	3,14,987.55		
To Wages	63,433.00		
To Stationery	28,357.30	By Grant to Guwahati Zoo during 92-93 received back.	3,82,000.00
To Printing & Binding	1,584.00		
To Conveyance & Cartage	8,873.00		
To T.A.	1,76,190.00	By Fees received from Zoos.	96,500.00
To Fees and Honorarium	500.00		
To Telephone Charges	1,12,216.00	By recoveries from pay bills-adjustable by other Deptts./bodies	69,954.55
To Postage & Telegram	9,899.50		
To Evaluation of Zoos	2,76,240.00		
To Bank Commission	35,822.00	By Fee received from applicants for the post of M.S.	8.00
To Refreshments	4,090.00		
To Misc. Working expenses	80,557.20		
To advertisement & publicity	24,635.00	Int. on FD	1,84,931.00
To OTA	1,225.00	By Income Tax recovered	9,521.00
To Rent of leased accommodation	33,000.00		
To Medical expenses	915.00	By Licence Fees recovered	3,600.00
To training, education & International workshop & conferences	2,66,603.00		
To POL A/c.	9,538.00		
To L/S, Pension Contributions	1,516.00		
To Income Tax Paid	9,521.00		
To remittance to other deptts./bodies-educations for staff taken on foreign service.	69,954.55		
To excess of Income over expenditure	9,67,594.45		
<b>Total</b>	<b>1,72,46,514.55</b>		<b>1,72,46,514.55</b>

(S.C. SHARMA)  
MEMBER SECRETARY

**CENTRAL ZOO AUTHORITY**  
**Permanent Assets as on 31.3.94**

S. No.	Particulars	Opening Stock 93-94	Additions during the year	Total
1.	Renovation of office Building Furniture Fixture & Fittings	2,39,782	35,863	2,75,645
2.	Equipment & Machinery	1,26,385	4,68,451	5,94,836
3.	Books & Periodicals	40,150	23,860	64,010
4.	Vehicles	-	2,33,256	2,33,256
Total		4,06,317	7,61,430	11,67,747

(S.C. SHARMA)  
MEMBER SECRETARY

## AUDIT CERTIFICATE

I have examined the Receipts and Payments Account, Income and Expenditure Account for the year ended 31st March, 1994 and Balance Sheet as on 31st March 1994 of the Central Zoo Authority, New Delhi. I have obtained all the information and explanations that I have required, and subject to the observations in the appended Audit Report, I certify, as a result of my audit, that in my opinion these accounts and Balance sheet are properly drawn up so as to exhibit a true and fair view of the state of affairs of the Central Zoo Authority, New Delhi according to the best of information and explanations given to me and as shown by the books of the organisation.

New Delhi

Pr. Director of Audit

Dated: 23rd Dec. 1994

### List of Photographs

#### A. Cover -

1. Front - Wild dog at Indira Gandhi Zoological Park, Vishakapatnam.
2. Back - Water fowl Sanctuary at M.C. Zoological Park, Chhatbir.

*Courtesy by: The Tribune  
Photo by: Karan Singh*

#### B. Within Text

3. Members, Central Zoo Authority.
4. Capped langur at Hyderabad Zoo.
5. Indian Rhino at Guwahati Zoo.
6. Gaur at Nehru Zoological Park, Hyderabad.
7. White tiger at Nehru Zoological Park, Hyderabad.
8. Pelican and painted stork at Nehru Zoological Park, Hyderabad.
9. A naturalistic moated enclosure.
10. Training programme on Zoo Management.
11. Elephant enclosure at M.C. Zoological Park, Chhatbir.

