

ANNUAL REPORT 1998-99



केन्द्रीय चिड़ियाघर प्राधिकरण
Central Zoo Authority

Eighth Annual Report (1998-99)

Central Zoo Authority

(Ministry of Environment & Forests)

Headquarters
Barrack No. 4, Bikaner House
Sahjahan Road,
New Delhi-110011

CHAPTER - I

THE CENTRAL ZOO AUTHORITY

In India, zoos are regulated under the provisions of the Wildlife (Protection) Act, 1972. The Central Zoo Authority was created by the Government of India in 1992, as an autonomous statutory body to oversee and monitor the management of zoos in the country. The mandate of the Central Zoo Authority is to specify minimum standards for housing, upkeep and veterinary care of the animals kept in the stock of various zoos, evaluate and assess the functioning of zoos, recognise and derecognise them, identify endangered species of wild animals for purposes of captive breeding and coordinate research, exchange programmes and training of zoo personnel. The Authority is headed by Minister, Environment & Forests, Secretary (E&F); Inspector General of Forests & Addl. Inspector General of Forests (Wildlife) are the official members of the Authority. The non-official members of the Authority are:

1. Shri Samar Singh, Secretary General, WWF, India, Delhi
2. Dr. Asad R. Rahmani, Director, BNHS, Mumbai
3. Dr. Nanditha C. Krishna, Hon. Director, C.P.R Environmental Education Centre, Chennai
4. Shri Divyabhanu Singh Chawda, Vice President, Taj Group of Hotels.
5. Shri S.C.Dey, Secretary General, Global Tiger Forum, New Delhi
6. Shri Khushwant Singh, Eminent writer, New Delhi
7. Dr. Ashok Singh, (Retd. CWLW,U.P) Allahabad

For carrying out the instructions of the Authority and to monitor the action taken by the officers in the Central Zoo Authority, two committees namely Administrative Committee and Technical Committee have been constituted.

The Administrative Committee is chaired by the Inspector General of Forests. The Committee has four Members and the Member Secretary of the Authority is the convenor of the Committee. The main functions of the Committee are:

1. To screen and approve the proposals regarding creation of posts and upgradation of the existing posts in the Authority.
2. To approve proposals for awarding consultancies and contract appointments to Group 'A' posts.
3. To approve proposal for grant of research projects to various institutions.
4. To approve annual budget of the Central Zoo Authority.
5. Any other matter referred to it by the Central Zoo Authority.

The Addl. Inspector General of Forests (Wildlife) chairs the Technical Committee. The committee has seven members and the Member Secretary is the convenor of the committee. The functions of the Committee are as follows:

1. To approve proposals for release of financial assistance to various zoos.

2. To approve exchange programme of zoo animals between Indian zoos.
3. To make recommendations regarding exchange of animals with foreign zoos, accepting gift of animals from foreign zoos and gifting animals to foreign zoos.
4. To approve proposals for organising training programmes, workshops and meetings on various aspects of zoo management.
5. To screen research projects on issues related with zoos for funding by the Authority.
6. To approve the proposals for grant of recognition to mini zoos.
7. To make recommendations regarding grant of recognition to large, medium and small zoo.
8. Any other function that may be assigned to it by the Central Zoo Authority from time to time.

Overview of the activities of the Central Zoo Authority during the year 1998-99

1. Evaluation of the zoos, with reference to minimum standards and norms fixed under "Recognition of Zoo Rules, 1992", was continued and the zoos which had a potential to improve were granted conditional recognition. The zoos, which had little chance to come up to the prescribed standards, were refused recognition and asked to close down.
2. Financial assistance on upgraded funding pattern was provided to zoos for improvement of housing, upkeep and veterinary care of animals. Zoos at Surat, Rajkot and Port Blair were given financial assistance for re-location to new sites



Central Zoo Authority in its meeting.

as per the Central Zoo Authority's directive. Financial assistance as per new master plan was also provided to Gwalior Zoo. In addition, eleven other zoos have also been provided financial assistance for improvement/ construction of naturalistic enclosures for animals. Five zoos were given assistance for upgrading their veterinary care facilities.

3. Exchange programmes were encouraged between zoos to facilitate breeding of endangered species.

4. Capsule courses were organised for upgrading

technical skills of zoo directors, zoo veterinarians, zoo supervisors and keepers.

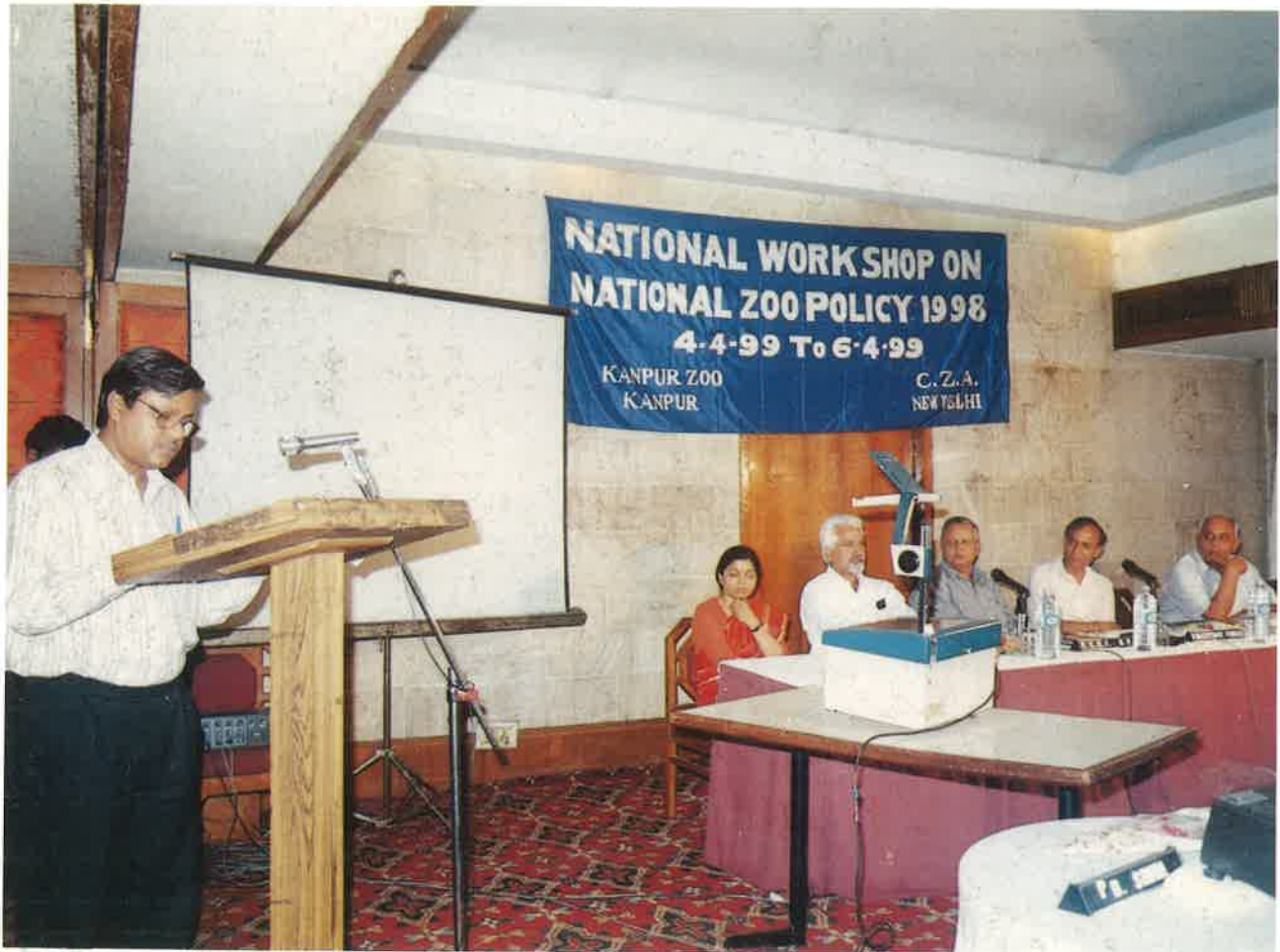
5. The Central Zoo Authority continued sponsoring the research projects undertaken by Centre for Cellular and Molecular Biology (CCMB), Hyderabad on assisted reproduction and determination of the degree of inbreeding amongst the zoo animals.

6. A research project was awarded to Wildlife Institute of India, Dehradun to study infectious viral diseases in Asiatic lions.

CHAPTER - II

IMPORTANT DECISIONS OF THE CENTRAL ZOO AUTHORITY

1. Create rescue facility in off the display area of zoo for rehabilitation of animals rescued/ received as a result of derecognition of zoos/ circuses.
2. Appropriate policy for manning the zoos should be evolved.
3. Creation of mini zoos and deer parks should be discouraged as they have failed to serve the cause of conservation.
4. Surplus herbivore animals from zoos should not be released in the wild unless proper screening for infectious diseases and genetic purity has been carried out.
5. The Authority should be more proactive about upgrading the housing of animals in zoos, particularly through involvement in master planning and enclosure designing process.



National Zoo Policy Workshop at Kanpur.

CHAPTER - III

EVALUATION AND GRANT OF RECOGNITION TO ZOOS

During the year under report, second round of evaluation of following five medium and two small zoos were completed. These are :

Medium Zoos

1. National Park Bannerghatta, Karnataka
2. Gandhi Zoological Park, Gwalior, Madhya Pradesh
3. Maitri Bagh Zoo, Bhilai, Madhya Pradesh
4. Manipur Zoological Garden, Imphal, Manipur
5. Sepahijala Zoological Park, Tripura, Agartala

Small Zoos

1. Calcutta Snake Park & Zoological Garden, Badu
2. Sarnath Deer Park, Varanasi

The decision on granting of further recognition to the zoos will be decided by the Authority in its next meeting.

Mini Zoos

During the year under report, 18 mini zoos were evaluated. Out of these, following mini zoos were granted conditional recognition:



Moated enclosure for Golden Langur at Nehru Zoological Park, Hyderabad.

1. Adu Malleeshwar Gudi Balvana, Chitardurga, Karnataka.
2. Deer Park, Bolangir, Orissa.
3. Tribal Museum Deer Park, Koraput, Orissa.
4. H.A.L Deer Park, Sunabeda, Orissa.
5. Kapilash Zoo, Dhenkanal, Orissa.
2. Bir Talab Zoo, Bhatinda and
3. Mini zoo, Bhiwani.
4. Deer Park at Hindalco, Uttar Pradesh
5. Mini Zoo, Bellary

Other eight mini zoos were refused recognition and their list is placed at Annexure-I.

Show-cause notice was issued to following zoos for non-compliance of the stipulated conditions of recognition.

The authority also decided to refuse recognition to 14 mini zoos/ deer parks in the State of Karnataka, which were evaluated in the previous year. The list of zoos refused recognition is placed at Annexure-I.

1. Indira Gandhi Park, Zoo, Rourkela, Orissa;

CHAPTER - IV

PLANNED BREEDING OF ENDANGERED SPECIES

1. Under the planned breeding programme of Bengal Tigers, first birth was recorded at Nehru Zoological Park, Hyderabad.
2. Asiatic lions identified under the planned breeding programme were moved from Sakkarbagh Zoo, Junagarh to Kamla Nehru Zoological Park, Ahmedabad; Kanpur Zoological park, National Zoological Park, Delhi and Nehru Zoological Park, Hyderabad. Animals to Arignar Anna Zoological Park, Chennai will be moved soon.
3. A meeting of the Zoo Directors was organised by the Central Zoo Authority at Kanpur. The Zoo Directors, experts from various fields and scientists were invited to participate in the

Workshop on National Zoo Policy and deliberate on its role in developing a plan for conservation breeding of animals in Indian zoos.

Exchange Programmes:

The Technical Committee of the Central Zoo Authority met on 4th August 1998; 6th November, 1998 and 8th March 1999. The Committee reviewed the exchange proposals submitted by zoos. On the basis of the decisions taken by the Committee and under the powers delegated to the Member Secretary, proposals for exchange, loaning and gifting of zoo animals within the country and zoos outside India were approved. The list of approved proposals is at Annexure-II.

Important Births in Indian Zoos

S. No.	Name of the Zoo	Species	No. of Births
1.	Nehru Zoological Park, Hyderabad	Mouse deer	1
		Swamp deer	1
		Wolf	1
2.	National Zoological Park, Delhi	Chinkara	2
		Sangai	12
		Swamp deer	2
3.	Alipore Zoo, Calcutta	Chinkara	3
		Sangai	3
4.	Sakkarbag Zoo, Junagarh	Four horned antelope	3
		Chinkara	2
5.	Nandankanan Biological Park, Bhubneswar	Himalayan Black bear	2
		Pangolin	1

6.	Prince of Wales Zoological Park, Lucknow	Swamp deer	3
7.	Sri Chamarajendra Zoological Park, Mysore	Swamp deer Gaur	2 2
8.	Arignar Anna Zoological Park, Chennai	Sangai Wild dog Lion tailed macaque	2 4 1
9.	Indira Gandhi Zoological Park, Vishakapatnam	Water monitor lizard	1
10.	Assam State Zoo, Guwahati	Serow Leopard cat	1 4
11.	Veer mata Jijabai Udyan, Zoo Mumbai	Four horned Antelope	3
12.	Kanpur Zoological Park, Kanpur	Swamp deer Sangai	2 1

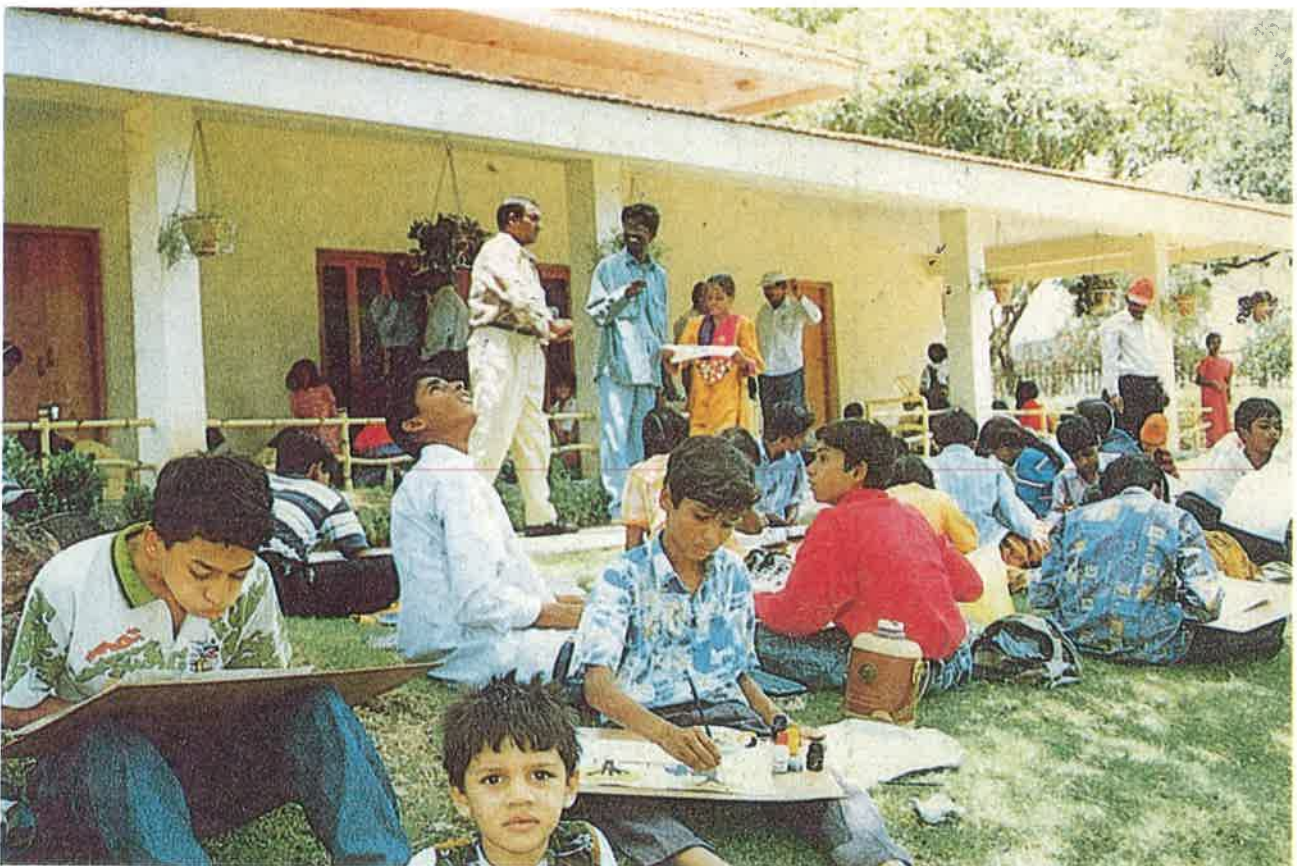


Leopard Cat.

CHAPTER - V

EDUCATION & AWARENESS

- A. During the year under review, a Sub-Committee on Zoo Education was constituted with the approval of the Chairman. The main function of the Sub-Committee are:
1. To formulate draft guidelines for basic education programmes for different categories of zoos.
 2. To set up mechanism for regular training of zoo directors, educators and persons responsible for zoo education.
 3. To develop zoo/conservation oriented subject matter for National curricula for different levels of students (Lower kindergarten to under graduate level)
 4. To develop material for zoo education.
 5. To conduct workshops involving policy makers, zoo personnel, schoolteachers and general public.
- B. The Central Zoo Authority and the Indian Zoo Directors Association continued to bring out the quarterly news letter for sharing of technical information on important aspects of zoo management in the country. The IInd volume of



Painting Competition in Progress at Nehru Zoological Park, Hyderabad.

the Compendium consisting of research papers published by scientists, zoo veterinarians and directors on animal biology and conservation was published.

- C. Sanjay Gandhi Biological park, Patna; Arignar Anna Zoological Park, Chennai; Sri Chamarajendra Zoological Park, Mysore and National Zoological Park, Delhi continued to organise

guided tours for zoo visitors, to make the visits more rewarding and interesting.

- D. Zoo outreach Organisation continued to bring out Zoo Zen and Zoos Print.

The two magazines continued to be an important source of technical information on scientific management of zoos.

CHAPTER - VI

RESEARCH AND TRAINING

1. A two weeks' capsule course for Zoo Directors was organised at Arignar Anna Zoological Park, Chennai from 1st to 12th Sept., 1998. The trainees were apprised of the modern concept of zoo designing, collection planning and record keeping. Information on planned breeding programmes for endangered species was also provided.
2. 15 days training programme for zoo keepers was organised at Nehru Zoological park, Hyderabad from 24.2.98 to 5.3.98, Kamla Nehru Zoological Park, Ahmedabad from 9.2.98 to 18.2.98 Assam State Zoo, Guwahati from 16.10.98 to 25.10.98 and Kanpur Zoological Park, Kanpur from 5.1.99 to 15.1.99. In all, 70-zoo keepers attended the course in the above said zoos.
3. A training programme on 'Zoo Animal Nutrition' for Zoo Keepers was organised by Arignar Anna Zoological Park, Vandaluar on 18.12.98.



Zoo Directors Training Programme at Vandalur, Chennai.

4. Shri N.Rajsekhar, Executive Director, Zoo Authority of Karnataka and Director, Mysore Zoo along with Dr. S.M.Razvi, Superintendent, Aurangabad Zoo participated in a three weeks' course on Conservation of endangered species at Durrell Wildlife Preservation Trust, U.K during July-August, 1998.
5. The Centre for Cellular and Molecular Biology(CCMB), Hyderabad continued to work on the projects associated with assisted reproduction and DNA fingerprinting of endangered species in Indian zoos.
6. The study on social impact of mini zoos and deer parks in the three regions of the country namely, North, south and east were completed by A.E.D.R, JNU New Delhi; Indian Institute of Management, Bangalore, and Xavier Institute of Management, Bhubaneswar. The study revealed that :
 - (i) Majority of visitors come to deer parks /mini zoos for recreational purpose.
 - (ii) Except for some mini zoos in rural areas, educational role of deer parks is minimal.
 - (iii) Management of deer parks/mini zoos is poor.
 - (iv) Majority of the visitors want multi-species display.
7. The Wildlife Institute of India was awarded a research project on Seroepidomological study of infectious diseases in Asiatic Lions.

CHAPTER - VII

INTERNATIONAL CO-OPERATION

1. Shri K.L. Velodi, President Indian Zoo Directors Association attended the IUDZG meeting held in Yokohama, Japan.
2. Mr. Bernard Harrison, Chief Executive Singapore Zoological Garden, was invited by the Central Zoo Authority to assist the Uttar Pradesh Government in finalization of a master plan for creation of a Zoo near the Taj Mahal at Agra.
3. Dr. Andrew Routh from Royal Society for Preservation of Cruelty to Animals (RSPCA), Great Britain conducted a training programme for veterinarians on treatment of birds at Blue Cross of India, Chennai during January, 1999. Veterinarians from Hyderabad Zoo, Mysore Zoo, Trianvandurm Zoo and Vandalur Zoo participated in the training programme.



Shri K.L. Velodi, President IZDA in IUDZG meeting.

CHAPTER - VIII

ADMINISTRATIVE MATTERS

The sanctioned posts in the Central Zoo Authority and the name of the incumbents on these posts are indicated in the following table.

Name of the post	Scale of the posts	No. of Posts	Name of incumbent
Finance Officer	8000-13500	1	Shri B.S. Rawat
Private Secretary	6500-10500	1	Shri R.A. Dhawan (13.3.98 to 5.7.98)
Accountant	5500-9000	1	Shri C.R. Bhattacharya/ Shri G.S. Gosain (on contract basis)
Data Processing Assistant	5000-8000	1	Shri Dinesh Kr. Dharni (upto June 1998)
Personal Assistant	5000-8000	1	Smt. Seema Burreja
U.D.C.	4000-7000	1	Shri R.S. Rawat
L.D.C.	3050-4590	1	Shri Sanjay Kumar
Driver	3050-4590	1	Shri Hari Singh
Peon	2550-3200	2	Shri Thakur Das, Shri Pramod Kr. Jha

The post of Personal Secretary was down-graded to the post of Personal Assistant with the approval of the Administrative Committee. The post of Personal Secretary will be kept in abeyance till the incumbent on the post of Personal Assistant becomes eligible for this post according to the recruitment rules.

The post of Data Processing Assistant, which fell vacant during the year and that of Personal Assistant were advertised during the year.

Dr.J.H.Desai left the Central Zoo Authority at the end of November, 1998 and Shri Brij Kishor Gupta joined as Scientist on contract basis in January, 1999.

Shri Bipul Chakrabarty continued to work on contract basis to assist the Member Secretary in discharge of statutory duties and preparation of Database on Zoos. Shri W.C.Arora, a retired IES officer, continued to work as Registrar on contract basis. The post of Accountant could not be filled up on

deputation basis. Therefore, a retired person of Civil Accounts Service has been engaged on contract basis to attend the work as Accountant. One casual worker Shri Gopal Swamy was granted temporary status as per the general orders of the Government.

CHAPTER - IX

FINANCIAL MATTERS

The Expenditure Finance Committee approved continuation of the plan scheme 'Grants-in-Aid to Central Zoo Authority' for the Ninth Plan Period and approved enhancement of funding pattern for providing financial assistance for housing, upkeep and healthcare of zoo animals from 50% to 100% basis with effect from the year 1998-99. During the year, financial assistance worth Rs. 393.14 lakhs was provided to 20 zoos. A list of zoos, which received financial assistance from the Central Zoo Authority during 1998-99, is at Annexure-III.

ANNUAL ACCOUNTS

The annual accounts of Central Zoo Authority were prepared and submitted to the Principal Director of Audit, Scientific Department on 17th May, 1999. The audit of accounts was carried out by a team from the office of the Principal Director of Audit, Scientific Department from 1st June, 1999 to 18th June, 1999. The copies of the audited accounts for the year 1998-99 containing Receipt & Payment Accounts, Income & Expenditure Accounts and the Balance Sheet as on 31.3.1999 together with Audit Certificate are at Annexure IV to VII.

LIST OF ZOOS-REFUSED RECOGNITION

HARYANA

1. Mini Zoo Jind,
2. Deer Park, NFL, Panipat
3. Mini Zoo, AbuShahar, Sirsa.

ORISSA

4. Deer Park, Behrampur.
5. Palm Beach Zoo, Gopalpur.
6. Taptapani Deer park, Parlakhamundi
7. Municipal Deer Park, Cuttack
8. Mini Zoo Regional Science Centre, Bhubneswar

KARNATAKA

9. Surakayalahalli Mini Zoo/ Deer Park, Kolar.
10. Kondaji Deer park, Chitradurga

11. Kempegowda Vanadhama, Magadi Taluk
12. Antharange Children's Park, Kolar.
13. Mini Zoo, Kudremukh
14. Children's Park, Mini Zoo, Dharwar.
15. Deer Park at Karadigudda, Dharwar.
16. Deer Park, Haliyal
17. Minakagurki Deer Park/Mini Zoo, Kolar
18. Children's Park at Sirsi, Uttar Kannada
19. Deer Park, Sriksheṭra Sogal Soundatti, Belgaum
20. Mini Deer Park, Chickmagalur
21. Nature Park, Raichur
22. Nature Park, Induval, Mandya

**EXCHANGE PROPOSALS APPROVED BY THE CENTRAL ZOO AUTHORITY
DURING 1998-99**

A. EXCHANGE OF ANIMALS BETWEEN INDIAN ZOO'S

Sl. No.	Name of the zoo/organisation	Animals acquired	Animals given	Name of the Zoo/ Organisation
1.	Sakkarbaug Zoo, Junagarh	Wild Ass 0 : 1 Porcupine (White) 1 : 1	Asiatic Lion 1 : 1 Leopard 1 : 1 Wolf 1 : 1 Hyaena 1 : 1	Kamla Nehru Zoo, Ahmedabad
2.	Sakkarbaug Zoo, Junagarh	Tiger 1 : 2 Sarus Crane 1 : 1 Swamp Deer 1 : 1	Asiatic Lion 1 : 2 Peacock (White) 1 : 2 Four horned antelope 1 : 2	Kanpur Zoological Park, Kanpur
3.	Sakkarbaug Zoo, Junagarh	Tiger 1 : 1 Tiger (White) 1 : 1	Asiatic Lion 2 : 4	Nehru Zoological Park, Hyderabad
4.	Arignar Anna Zoo, Chennai	Chimpanzee 0 : 1	Chimpanzee 1 : 0	Nehru Zoological Park, Hyderabad
5.	Padmaja Naidu Himalayan Zoological Park, Darjeeling	Clouded Leopard 2 : 0 Red Panda 1 : 0	—	Itanagar Zoo, Arunachal Pradesh

Sl. No.	Name of the zoo/organisation	Animals acquired	Animals given	Name of the Zoo/ Organisation
6.	National Zoological Park, New Delhi	Tiger (White) 1 : 0	Sangai 1 : 1	Nandankanan Biological Park, Bhubaneswar
7.	National Zoological Park, New Delhi	Asiatic Lion 2 : 1 Wolf 1 : 1 Four horned antelope 2 : 2	Sangai 2 : 2 Painted Stork 2 : 2 Swamp Deer 1 : 1	Sakkarbaug Zoo, Junagarh
8.	Sanjay Gandhi Biological Park, Borivilli	Tiger 1 : 1	Himalayan Black Bear 2 : 2 Pied Hornbill 2 : 2	Bannerghatta National Park, Bangalore
9.	Madras Crocodile Bank, Mammalapuram	—	King Cobra 3 : 3 King Cobra 1 : 1	Sri Chamarajendra Zoological Park, Mysore Nehru Zoological Park, Hyderabad
10.	Padmaja Naidu Himalayan Zoo, Darjeeling	Snow Leopard 0 : 1	—	Wildlife Department of Jammu & Kashmir
11.	National Zoological Park, New Delhi	Giraffe 1 : 1	Swamp Deer 2 : 2	Alipore Zoo, Calcutta

B. Exchange between Foreign Zoo

1.	Nehru Zoological Park, Hyderabad	Small Clawed Otter 1 : 1	—	Singapore Zoo
2.	Sri Chamarajendra Zoological Garden, Mysore	White Fronted Marmosets 2 : 3	—	Frankfurt Zoo, Germany

Sl. No.	Name of the zoo/organisation	Animals acquired	Animals given	Name of the Zoo/ Organisation
3.	Arignar Anna Zoo, Vandalur, Chennai	Orangutan 3 : 2	—	Pingtung Rescue Centre, Taiwan
4.	Padmaja Naidu Himalayan Zoological Park, Darjeeling	Blood Pheasant 2 : 3 Monal Tragopan 2 : 3 Blue Sheep 2 : 3	—	Govt. of Bhutan
5.	Sri Chamarajendra Zoological Park, Mysore	Ostrich 2 : 2	—	Tel Aviv Zoo, Israel
6.	Nandankanan Biological Park, Bhubaneswar	—	Elephant 0 : 1	Izmir Zoo, Turkey
7.	National Zoological Park, New Delhi	Chimpanzee 7 (3 : 4)	—	Pencynor Wildlife Park, UK
8.	Sri Chamarajendra Zoo, Mysore	Rhea Americana 2 : 5	Common langur (Hanuman) 0 : 10	Serengeti Safari Park, Germany
9.	Madras Crocodile Bank, Mammallapuram	Australian Fresh Water Crocodile 0 : 0 : 3 Yacare Caiman 0 : 0 : 3 Smooth Fronted Caiman 0 : 0 : 6	—	Danish Crocodile Exhibition, Denmark
10.	Padmaja Naidu Himalayan Zoological Park, Darjeeling	Himalayan Tahr 1 : 2 Markhor 1 : 2	—	Helsinki Zoo, Finland
11.	Assam State Zoo, Guwahati	—	Elephant 1 : 1	Almaty Zoo, Kajakistan

Sl. No.	Name of the zoo/organisation	Animals acquired	Animals given	Name of the Zoo/Organisation
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C. Exchange proposals approved by Member Secretary

1.	Jawaharlal Nehru Biological Park Bokaro	Tiger 1 : 0 Lion 1 : 2	Tiger (0 : 1) Lady Ahmrest Pheasant 1 : 1 Cocateel 2 : 2 Alexandrine Parakeet 2 : 2	M.C. Zoological Park, Chhatbir, Punjab
2.	M.C. Zoological Park, Chhatbir, Punjab	Leopard 2 : 2	—	Deer Park, Manda, Jammu
3.	M.C. Zoological Park, Chhatbir	Himalayan Black Bear 0 : 0 : 2	—	Mantolai, Udampur, Jammu & Kashmir
4.	IVRI Deer Park	Chinkara 1 : 0 Black Buck 1 : 0	—	Social Forestry Division, Bareilly
5.	Rohtak Zoo, Haryana	Leopard 1 : 0	Leopard 1 : 0	M.C. Zoological Park, Chhatbir
6.	Sanjay Gandhi Biological Park, Borivilli	Tiger (White) 1 : 1	—	Aurangabad Zoo
7.	Jawaharlal Nehru Biological Park, Bokaro	Lion (Hybrid) 1 : 1	—	Pratap Singh Udyan Zoo, Sangli
8.	M.C. Zoological Park, Chhatbir	Emu 1 : 1 Cassowary 1 : 0 Capebuffalo 1 : 0	Barking Deer 1 : 3 Cassowary 0 : 1	National Zoological Park, New Delhi

Sl. No.	Name of the zoo/organisation	Animals acquired	Animals given	Name of the Zoo/ Organisation
9.	M.C. Zoological Park, Chhatbir	—	Leopard 1 : 0	Forest Department, Haryana
10.	Madhav National Park Shivpuri	—	Tiger 1 : 1	Gwalior Zoo, Madhya Pradesh
11.	Madhav National Park Shivpuri	—	Tiger 1 : 3	Patna Zoo
12.	Endangered Species Breeding Centre, Kukrail, Lucknow	—	Gharial 10 (3 : 7)	Chief Wildlife Warden, West Bengal
13.	Navegaon Bandh Wildlife Orphanage, Maharashtra	—	Leopard 0 : 2	Jawaharlal Nehru Biological Park, Zoo Bokaro
14.	Madhav National Park, Shivpuri	—	Tiger 1 : 0	Kanpur Zoo, Kanpur
15.	Kamla Nehru Zoo, Ahmedabad	Leopard 0 : 2	—	Gujarat Forest Department
16.	Van Vihar Zoo, Bhopal	Nilgai 0 : 1	—	Sheor Forest Division
17.	Sanjay Gandhi Biological Park, Patna	—	Leopard 1 : 1 Himalayan Black Bear 1 : 2 Rhesus Macaque 2 : 2 Hyaena 1 : 1 Brahmini Duck 1 : 2	Jawaharlal Nehru Biological Park, Bokaro
18.	Van Vihar Zoo, Bhopal	Lion (Hybrid) 0 : 0 : 2	—	Great Geeta Circus
19.	Ahmedabad Zoo	Flamingos 0 : 0 : 10	—	Gujarat Forest Department

Sl. No.	Name of the zoo/organisation	Animals acquired	Animals given	Name of the Zoo/ Organisation
20.	Udaipur Zoo	Blackbuck 5 : 5 Chinkara 5 : 5	Sloth Bear 0 : 1	Bikaner Zoo
21.	Jaipur Zo, Jaipur	—	Mugger 2 : 2	Jawai Dam, Udaipur
22.	Udaipur Zoo	Mugger 3 : 0	—	Jaipur Zoo
23.	Padmaja Naidu Himalayan Zoo Darjeeling	Barking Deer 1 : 1		Alipore Zoo, Calcutta

FINANCIAL GRANT RELEASED TO ZOOS DURING THE YEAR 1998-99

(Rs. in lakhs)

Sl. No.	Name of the Zoo	Improvement of Animal Housing & Security for Animals	Improvement of Veterinary Care & Hygienic Supply of Food & Water	Maintenance of Healthy Environment, Education awareness in the Zoo	Feeding of Rescued Animals	TOTAL
1	Zoological Garden, Alipore Calcutta, West Bengal	60.79	0.00	0.00	0.00	60.79
2	Chidiatapu Biological Park Andaman & Nicobar	43.00	10.00	0.00	0.00	53.00
3	Gandhi Zoological Park, Gwalior, Madhya Pradesh	47.72	2.78	0.00	0.00	50.50
4	Arignar Anna Zoological Park, Vandalur, Tamil Nadu	40.50	4.75	1.50	0.00	46.75
5	Sanjay Gandhi Biological Park, Patna, Bihar	23.20	2.00	0.50	6.00	31.70
6	Nature Park, Surat, Gujarat	22.79	7.64	0.00	0.00	30.43
7	Prince of Wales Zoological Gardens, Lucknow, U.P.	16.50	0.00	0.00	4.00	20.50
8	Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal	5.47	13.09	0.50	0.00	19.06
9	Nehru Zoological Park, Hyderabad Andhra Pradesh	7.50	0.00	10.00	0.00	17.50
10	Rajkot Municipal Corporation Zoo, Rajkot, Gujarat	15.00	0.00	0.00	0.00	15.00
11	Zoological Park, Itanagar, Arunachal Pradesh	12.27	0.00	0.00	0.00	12.27
12	Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh	10.37	0.38	0.00	0.00	10.75
13	National Park, Bannerghatta, Karnataka	6.90	0.00	0.00	0.00	6.90
14	Manipur Zoological Garden, Imphal, Manipur	4.57	0.00	0.00	0.00	4.57
15	Sri Chamarajendra Zoological Gardens, Mysore, Karnataka	4.00	0.00	0.00	0.00	4.00

Sl. No.	Name of the Zoo	Improvement of Animal Housing & Security for Animals	Improvement of Veterinary Care & Hygienic Supply of Food & Water	Maintenance of Healthy Environment, Education awareness in the Zoo	Feeding of Rescued Animals	TOTAL
16	Kanpur Zoological Park, Kanpur, U.P.	0.00	0.00	0.00	3.15	3.15
17	Nandankanan Biological Park, Bhubaneswar, Orissa	1.00	1.00	1.00	0.00	3.00
18	Children's Corner, Guindy, Tamil Nadu	1.50	0.00	0.50	0.00	2.00
19	Jaipur Zoo, Jaipur, Rajasthan	0.00	0.00	0.00	0.85	0.85
20	Assam State Zoo-cum-Botanical Garden, Guwahati, Assam	0.00	0.00	0.42	0.00	0.42
Total		323.08	41.64	14.42	14.00	393.14

CENTRAL ZOO AUTHORITY
(Ministry of Environment and Forests)
Receipts and Payments Account for the Year ending 31.3.1999

Receipts	Rs.	Payments	Rs.
To Opening Balance as on 1.4.1998	18,39,537.10	By Grant to Zoos	3,93,14,000.00
To Grant-In-Aid from Central Government	5,30,00,000.00	By Salaries	12,58,984.00
		By Wages	89,371.00
To Recoveries from Pay Bills adjustable by other Depts./Bodies.	82,010.00	By Leave Salary & Pension Contribution	3,882.00
		By Honorarium	26,725.00
To Recoveries of Festival Advance	3,000.00	By Medical Expenses	41,486.60
To Fees received from Zoos with applications of Recognition/Renewal	8,500.00	By Bonus	14,514.00
		By L.T.C.	19,840.00
To Refund of Security Deposits	5,000.00	By O.T.A.	27,109.00
		By Travelling Allowances	
		(i) TA operational	3,53,265.00
		(ii) TA for Evaluation of Zoos	2,89,095.00
Staff Car Recoveries	3,500.00	(iii) TA for Training, Workshop & Conferences	2,53,340.00
To Other Recoveries/Receipt	2,24,555.50	By Equipment & Machinery	5,05,600.00
To Interest on Fixed Deposit	0.00	By Repairs & Maintenance	1,05,733.00
To Sundry Deposits	11,000.00	By Petrol, CNG, Oil & Lubricant	33,514.00
To Income Tax Recovered	72,332.00	By Stationery	42,230.00
		By Printing, Binding & Publication	94,837.00
		By Books	
		(i) Books for CZA Library	22,968.00
		(ii) Books sent to Zoos	91,032.00
		By Periodicals	3,057.00
		By Advertisement & Publicity	3,26,833.00
		By Conveyance & Cartage	39,342.00
		By Telephone Charges	1,31,381.00
		By Postage	35,057.00
		By Bank Charges	500.00
		By Refreshments	6,618.00
		By Other Misc. Expenses	28,733.00
		By Audit Fee	—

Receipts	Rs.	Payments	Rs.
		By Legal Expenses	46,670.00
		By Consultancy Charges for Zoo Designing	2,10,000.00
		By Monitoring & Evaluation of Zoos	13,000.00
		By Research Projects	47,48,175.00
		By Training, Workshop & Conferences	45,17,252.00
		By Education & Awareness	3,75,175.00
		By Security Deposit	5,000.00
		By Festival Advance	6,000.00
		By Remittance to other Departments of Deductions made from Staff on Foreign Service	82,010.00
		By Sundry Deposit Released	16,000.00
		By Income Tax Deposited	74,639.00
		Cash at Bank	19,84,425.00
		Cash in Hand	7,042.00
		Imprest Account	5,000.00
Total	5,52,49,434.60	Total	5,52,49,434.60

Details of Opening Balance

(i) Cash in Hand	4,203.00
(ii) Cash in Bank	18,30,334.10
(iii) Imprest	5,000.00
	<u>18,39,537.10</u>

**MEMBER SECRETARY
CENTRAL ZOO AUTHORITY**

CENTRAL ZOO AUTHORITY
(Ministry of Environment and Forests)
Income and Expenditure Accounts for the Year ending 31.03.1999

Expenditure	Rs.	Income	Rs.
To Grants to Zoos	3,93,14,000.00	By Grant-In-Aid from Central Government	5,30,00,000.00
To Salaries	12,58,984.00	By Recoveries from Pay Bills adjustable by other Depts./Bodies	82,010.00
To Wages	89,371.00	By Fees received from Zoos with applications of Recognition/Renewal	8,500.00
To Leave Salary & Pension Contribution	3,882.00	By Staff Car recoveries	3,500.00
To Honorarium	26,725.00	By Other Recoveries/Receipts	2,24,555.50
To Medical Expenses	41,486.60	By Interest on Fixed Deposit	0.00
To Bonus	14,514.00	By Excess of Expenditure over Income	0.00
To L.T.C.	19,840.00		
To O.T.A.	27,109.00		
To Travelling Allowances			
(i) TA Operational	3,53,265.00		
(ii) To T.A. for evaluation of zoos	2,89,095.00		
(iii) T.A. for training, Workshop & Conferences	2,53,340.00		
To Repairs and Maintenance	1,05,733.00		
To Petrol, CNG, Oil and Lubricant	33,514.00		
To Stationery	42,230.00		
To Printing, Binding & Publication	94,837.00		
To Periodicals	3,057.00		
To Advertisement & Publicity	3,26,833.00		
To Conveyance & Cartage	39,342.00		
To Telephone Charges	1,31,381.00		
To Postage	35,057.00		

Expenditure	Rs.	Income	Rs.
To Bank Charges	500.00		
To Refreshment	6,618.00		
To Other Misc. Expenses	28,733.00		
To Audit Fee	0.00		
To Legal Expenses	46,670.00		
To Consultancy Charges for Zoo Designing	2,10,000.00		
To Monitoring & Evaluation of Zoos	13,000.00		
To Research Projects	47,48,175.00		
To Training, Workshop & Conferénces	45,17,252.00		
To Education & Awareness	3,75,175.00		
To Remittance to other Depts. of deductions made from Staff on foreign service	82,010.00		
To Excess of Income over Expenditure	7,86,836.90		
Total	5,33,18,565.50	Total	5,33,18,565.50

533.18
7.86
5,25.32

**MEMBER SECRETARY
CENTRAL ZOO AUTHORITY**

CENTRAL ZOO AUTHORITY
(Ministry & Environment & Forests)
Balance Sheet as on 31st March, 1999

LIABILITIES			ASSETS		
PARTICULARS	AMOUNT Rs.	SCH- DULE	Particulars	AMOUNT Rs.	SCH- DULE
1. Central Zoo Authority Fund	48,02,815.00	I	1. Fixed Assets		
2. Sundry Creditors	—		(I) Furniture	7,82,774.00	IV
3. Gifts and Donations	—		(II) Vehicles	2,33,256.00	V
4. Current Liabilities and Provision	—		(III) Equipment & Machinery	14,92,750.00	VI
5. Income Tax Payable	1,848.00	II	(IV) Books	2,91,416.00	VII
6. Sundry Deposits	—	III	2. Advances (Festival Advance)	3,000.00	VIII
			3. Security Deposits	5,000.00	IX
			4. Gifts and Donations	—	
			5. Sundry Debtors	—	
			6. Investments (CZA Fund)	—	
			7. Cash and Bank Balance		
			(I) Cash at Bank	19,84,425.00	
			(II) Cash in Hand	7,042.00	
			(III) Imprest	5,000.00	
TOTAL LIABILITIES	48,04,663.00		TOTAL ASSETS	48,04,663.00	

MEMBER SECRETARY
CENTRAL ZOO AUTHORITY

CENTRAL ZOO AUTHORITY
(Ministry & Environment & Forests)
Schedule I to IX of Balance Sheet for 1998-99

SCHEDULE I

Central Zoo Authority Fund

	Rs.
1. Opening Balance for 1998-99	= 41,07,010.10
2. Add. excess of Income over expenditure	= 7,86,836.90
3. Less value of Books transferred to Zoo	= (-) 91,032.00
	Total 48,02,815.00

SCHEDULE II

Income Tax Payable

1. Opening balance for 1998-99	= 4,155.00
2. Income Tax deducted during the year	= 72,332.00
	Total 76,487.00
3. Income Tax deposited during the year	= 74,639.00
4. Income Tax Payable (depositing on 21.4.1999)	= 1,848.00

SCHEDULE III

Sundry Deposits

1. Opening Balance for 1998-99	= 5,000.00
2. Deposits received during the year	= 11,000.00
	Total 16,000.00
3. Deposits released during the year	= 16,000.00
	Balance Nil

SCHEDULE IV

Furniture and Fixtures

1. Opening Balance for 1998-99	= 7,82,774.00
2. Addition during the year	= Nil
	Total 7,82,774.00

Rs.

SCHEDULE V**Vehicles**

1. Opening Balance for 1998-99	=	2,33,256.00
2. Addition during the year	=	Nil
Total		2,33,256.00

SCHEDULE VI**Equipment and Machinery**

1. Opening Balance for 1998-99	=	9,87,150.00
2. Addition during the year	=	5,05,600.00
Total		14,92,750.00

SCHEDULE VII**Books**

1. Opening Balance for 1998-99	=	2,68,448.00
2. Add - Addition during the year	=	1,14,000.00
3. Less - Transferred to Zoos	=	(-) 91,032.00
Total		2,91,416.00

SCHEDULE VIII**Advances (Festival Advance)**

1. Opening Balance for 1998-99	=	Nil
2. Festival Advance sanctioned during the year	=	6,000.00
3. Festival Advance recovered during the year	=	3,000.00
Balance		3,000.00

SCHEDULE IX**Security Deposits**

1. Opening Balance for 1998-99	=	5,000.00
2. Addition during the year	=	Nil
Balance		5,000.00

**Member Secretary
Central Zoo Authority**

AUDIT CERTIFICATE

I have examined the Receipts & Payments Account, Income & Expenditure Accounts and the Balance Sheet for the year ended 31st March 1999 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 to the best of information and explanation given to me and as shown by the books of the organisation.

New Delhi
Dated : 12th January, 2000

Pr. Director of Audit
Scientific Departments

