

# ANNUAL REPORT

## 2009-10



केन्द्रीय चिड़ियाघर प्राधिकरण  
Central Zoo Authority

Annual Report 2009-10



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**Central Zoo Authority**

(Statutory Body Under the Ministry of Environment & Forests)  
Government of India



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## Introduction:

The **Central Zoo Authority** was established by the Government of India in the year 1992 through an amendment in the Wild Life (Protection) (1991 Amendment) Act, 1972. The main objective was to enforce minimum standards and norms for upkeep and healthcare of animals in Indian zoos and to control mushrooming of unplanned and ill-conceived zoos that were cropping up in the country as adjuncts to public parks, industrial complexes and waysides.

The Central Zoo Authority is a statutory autonomous body under the administrative control of Ministry of Environment & Forests, Government of India. The Central Zoo Authority is a twelve member body headed by a Chairman. Minister of State for Environment & Forests (Independent) is presently the ex-officio Chairman of the Central Zoo Authority. Member Secretary is the Chief Executive Officer of the Authority.

The Authority was reconstituted last (sixth time) in September, 2007 for a period of three years vide Gazette Notification No. S.O. 1629 (E) dated 26.9.2007 appointed the following to it, namely,

- |    |  |                              |
|----|--|------------------------------|
| 1. | Minister of State for Environment & Forests, (Independent), Government of India.   | Chairperson.<br>(ex-officio) |
| 2. | Secretary to the Government of India, Ministry of Environment & Forests, New Delhi.  | Member<br>(ex-officio)       |
| 3. | Director General of Forests & Special Secretary, Ministry of Environment & Forests, Government of India, New Delhi.  | Member.<br>(ex-officio)      |
| 4. | Additional Director General of Forests (Wildlife), and Director, Wildlife Preservation, Ministry of Environment & Forests, Government of India, New Delhi. | Member<br>(ex-officio)       |
| 5. | Additional Secretary and Financial Advisor, Ministry of Environment & Forests, Government of India, New Delhi.   | Member<br>(ex-officio)       |
| 6. | Director, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh.   | Member<br>(ex-officio)       |
| 7. | Director, Wildlife Institute of India, Dehradun, Uttarakhand.  | Member<br>(ex-officio)       |
| 8. | Dr. S. Kannaiyan, Former Vice-Chancellor, Tamil Nadu Agricultural University, Coimbatore, Tamil Nadu.  | Member                       |



- |     |  |                  |
|-----|--|------------------|
| 9.  | Dr. Erach K. Bharucha,<br>Director, Bharti Vidyapeeth Institute of<br>Environment Education and Research, Pune, Maharashtra. | Member           |
| 10. | Shri Kartick Satyanarayan,<br>Wildlife SOS, New Delhi  | Member           |
| 11. | Dr. Vibhu Prakash,<br>Bombay Natural History Society   | Member           |
| 12. | Member Secretary,<br>Central Zoo Authority, New Delhi.   | Member Secretary |

**Zoos in India** are regulated under the provisions of the Wild Life (Protection) Act, 1972 and are guided by the National Zoo Policy, 1998. With assistance from Central Zoo Authority, Government of India formulated Recognition of Zoo Rules, 1992 and fixed standards and norms for management of zoos in the country. Central Zoo Authority oversees the functioning of zoos in the country and provides them technical and other assistance for their improvement. The functions assigned to the Authority under Section 38 (C) of the Wild Life (Protection) Act, 1972 are:

- (a) to specify the minimum standards for housing, upkeep and veterinary care of the animals kept in zoos;
- (b) to evaluate and assess the functioning of the zoos with respect to the prescribed standards or norms;
- (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 studbooks of endangered species of wild animals bred in captivity;
- (g) to identify priorities and themes with regard to display of captive animals in zoos;
- (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.

To carry out the functions of the Authority, two sub-groups of the members, namely, Administrative Committee (headed by the Director General of Forests & Special Secretary, Ministry of Environment & Forests, Government of India - to decide on administrative and budgetary issues) and Technical Committee (headed by the Addl. Director General of Forests (Wildlife) and Director, Wildlife Preservation, Ministry of Environment & Forests, Government of India to take decisions on all technical matters) have been formed within the Central Zoo Authority and are coterminous with the tenure of the Authority. An Expert Group on Zoo Designing with experienced officer worked in zoo, Architect and Civil Engineer as Members and Member Secretary, Central Zoo Authority as convenor has also been formed in the Authority to give recommendations on approval of Zoo Master Plans of the existing zoos and Detailed Project Reports (DPR) of proposed new zoos and approval of the animal enclosure designs submitted by different zoos.

23<sup>rd</sup> meeting of the Central Zoo Authority was chaired by the Hon'ble Minister of Environment & Forests (IC) Sri Jairam Ramesh on 11<sup>th</sup> July 2009 during the period of the report. No meeting of the Administrative Committee of the Central Zoo Authority was held during the financial year 2009-10. Expert Group on Zoo Designing had its 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> and 13<sup>th</sup> Meetings on 29<sup>th</sup> April 2009, 6<sup>th</sup> - 7<sup>th</sup> July 2009, 4<sup>th</sup> November 2009 and 23<sup>rd</sup> December 2009, 12<sup>th</sup> January 2010 and 23<sup>rd</sup> February, 2010 respectively. The Technical Committee met thrice during the year. 51<sup>st</sup>, 52<sup>nd</sup> and 53<sup>rd</sup> Meetings of the Technical Committee were held on 23<sup>rd</sup> July 2009, 20<sup>th</sup> January 2010, and 23<sup>rd</sup> March 2010 respectively.

### Recognition of Zoo Rules, 2009

In suppression of Recognition of Zoo Rules, 1992, the Ministry of Environment & Forests, Govt. of India has issued Recognition of Zoo Rules, 2009 vide the notification (Extraordinary, part II, section 3, sub-section 1) no 643, dated 11<sup>th</sup> November 2009 with registration No. D.L. 31004/99 in the Gazette of India (**Annexure-I**). The Central Zoo Authority tried to make these rules more in facilitating in nature rather than regulatory so that zoos in India can implement them in right spirit.

### Evaluation of Zoos

The Central Zoo Authority evaluated 3 large, 7 small and 23 mini zoos and 4 rescue centre during the year 2009-10 (**Annexure-II**). The Technical Committee of the Central Zoo Authority has given in principle approval of creation of a new zoo at Mukundpur in Satna District of Madhya Pradesh subject to the necessary approval from the Central Zoo Authority and orders from the Supreme Court of India.





## Recognition/ De-recognition of Zoos

The Central Zoo Authority gave conditional recognition to 5 large, 2 medium, 10 small, 29 mini categories of zoos, and 5 rescue centres during the year 2009-10 (**Annexure-III**). There are 198 recognized zoos (including circuses) in the country (**Annexure IV**).

## Conservation Breeding Programme

The Central Zoo Authority is coordinating planned Conservation Breeding Programme of 72 identified critically endangered wild animal species in Indian zoos. The species for conservation breeding have been identified in consultation with Chief Wildlife Wardens, in-situ Wildlife managers and Zoo directors. Wild animal species with less than few hundreds/thousands (or say 2500) individuals left in the wild and less than 100 animals in captivity in India have been taken up under the coordinated planned conservation breeding in Indian zoos. Two to four zoos nearer to the natural distribution range of the targetted species have been identified to participate in the programme. One of the participating zoos has been designated as coordinating zoo for each species, where off-display conservation breeding centre shall be created. List of critically endangered wild animal species taken up under coordinated planned conservation breeding along with the names of the Coordinating and Participating zoos is placed at **Annexure-V**. During the financial year 2009-10, the Central Zoo Authority has released Rs. 47.2 lakhs and Rs. 46.6 lakhs to Arignar Anna Zoological Park for construction of Indian gaur enclosure and tiger enclosure respectively. Rs. 7.73 lakh to Assam State zoo for the improvement in clouded leopard enclosure, Rs. 50.67 lakh to Biological Park Itanagar for the construction of Hoolock gibbon enclosure, Rs. 10.0 lakhs to Pilikula Biological Park Mangalore for the conservation breeding of King cobra, Rs. 24.98 lakhs to Manipur Zoological Garden Imphal for Sangai, Rs. 18.0 lakh to Nehru Zoological Park Hyderabad for Mouse deer and Rs. 30.0 lakh to Sri Venkateswara zoological Park for Grey junglefowl.

Target is to have atleast 100 properly bred and genetically, physically and behaviorally healthy individuals of each targetted species in captivity in India for proper display and as insurance for future exigencies. The list of births of endangered species in Indian zoos during the year 2009-10 is placed at **Annexure-VI**.

## Exchange/Transfer of animals by Zoos

25 exchange proposals of animals between Indian zoos and 4 exchange proposals between Indian and foreign zoos have been approved by the authority during the year 2009-10. The list of the approved exchange proposals is provided below:-



## a) Exchange of animals between Indian Zoos (2009-10)

Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
<b>Pt. G. B. Panth High Altitude Zoo, Nainital</b>		<b>Himalayan Nature Park, Kufri</b>	
---	---	Cheer pheasant	2:2
<b>Nehru Zoological Park, Hyderabad</b>		<b>Nandankanan Biological Park, Bhubaneswar</b>	
Mouse deer	0:1:0	Mouse deer	1:0:0
Kalij pheasant	1:1:0	Hog deer	1:0:0
Flying fox	1:1:0	Barking deer	1:1:0
Painted stork	2:2:0	Gharial	0:0:2
		Open bill stork	0:0:4
<b>Arignar Anna Zoological Park, Vandalur</b>		<b>Sanjay Gandhi National Park, Borivali</b>	
Lion (hybrid)	1:1:0	Rusty spotted cat	1:1:0 M0800 052 M0800 053
<b>Sakkarbaug Zoo, Junagarh</b>		<b>Indroda Nature Park, Gandhinagar</b>	
Bengal tiger	1:1:0	Night heron	2:2:0
Leopard	1:1:0	---	---
Blackbuck (white)	2:2:0	---	---
Peafowl (white)	2:2:0	---	---
<b>Lucknow Zoo, Lucknow</b>		<b>Sakkarbaug Zoo, Junagarh</b>	
Indian wolf	0:0:2	Indian wolf	0:1:0
		Sarus crane	1:1:0
<b>Bondla Zoo, Bondla</b>		<b>Nehru Zoological Park, Hyderabad</b>	
Gaur	1:1	----	---
<b>Zoos in Haryana</b>		<b>Bannerghatta Biological Park, Bangalore</b>	
-----	---	Tiger	2:2:0



Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
<b>Arignar Anna Zoological Park, Vandalur</b>		<b>Sri Chamarajendra Zoological Gardens, Mysore</b>	
Wild dog	1:1	Red jungle fowl	2:3
<b>Nehru Zoological Park, Hyderabad</b>		<b>Bondla Zoo, Bondla, Goa</b>	
Sloth bear	1:1	Indian gaur	1:1
<b>Maitri Baag Zoo, Bhilai</b>		<b>Maharaj Bag Zoo, Nagpur</b>	
Sambar	2:3	Leopard	1:1
<b>Mahroori Musk Deer Farm, Dharamnagar, Bageshwar</b>		<b>Padmaja Naidu Himalayan Zoological Park, Darjeeling</b>	
Musk deer	0:1	---	---
<b>Sepahijala Zoo, Sepahijala</b>		<b>Sanjay Gandhi Biological Park, Patna</b>	
Pig tailed macaque	1:1	One-horned rhinoceros	0:1
Clouded leopard	1:1		
Spectacle langur	1:1		
<b>Tata Steel Zoological Park, Jamshedpur</b>		<b>Assam State Zoo, Guwahati</b>	
Red jungle fowl	2:2	Bengal tiger	1:0
<b>Sri Chamarajendra Zoological Gardens, Mysore</b>		<b>Tiger &amp; Lion Safari, Shimoga</b>	
Himalayan black bear	1:1	Nil	---
Jungle cate	1:1	---	---
<b>Jaipur Zoo, Jaipur</b>		<b>Sakkarbaug Zoo, Junagarh</b>	
Indian wolf	1:0	Indian wolf	0:1
<b>Sepahijala Zoological Park, Agartala</b>		<b>Zoological Park, Itanagar</b>	
Clouded leopard	1:1	Clouded leopard	2:0
<b>Padmaja Naidu Himalayan Zoological Park, Darjeeling</b>		<b>Zoological Garden, Alipore</b>	
---	---	Indian tiger	1:0
<b>National Zoological Park, Delhi</b>		<b>Gandhi Zoological Park, Gwalior</b>	
White tiger	0:1	Chinkara	2:2





Name of the Zoo and animals given		Name of the Zoo and animals to be given	
<b>Lucknow Zoological Park, Lucknow</b>		<b>Maitri Baag Zoo, Bhilai</b>	
Leopard	2:2	---	---
<b>National Zoological Park, Delhi</b>		<b>Kanan Pendari Zoo, Bilaspur</b>	
Blackbuck	10:10	Rock python	1:1
Barking deer	1:1	Indian cobra	1:1
<b>Rajkot Zoo, Rajkot</b>		<b>Sayaji Baug Zoo, Vadodara</b>	
---	---	Indian tiger	0:2
<b>Sri Venkateswara Zoological Park, Tirupati</b>		<b>Arignar Anna Zoological Park, Vandalur</b>	
Chowsinga	1:1	Barking deer	1:2
---	---	Hyena	0:1
<b>Rajkot Zoo, Rajkot</b>		<b>Sakkarbaug Zoo, Junagarh</b>	
Lion	2:1	--	---
<b>Jaipur Zoo, Jaipur</b>		<b>National Zoological Park, Delhi</b>	
Sloth bear	1:0	Sloth bear	0:1
<b>Rajkot Zoo, Rajkot to give</b>		<b>Surat Zoo, Surat to give</b>	
---	---	Blackbuck	2:2

## (b) Exchange of animals between Indian Zoos &amp; Foreign Zoos (2009-10)

Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
<b>Sri Chamarajendra Zoological Garden, Mysore</b>		<b>Leipzig Zoo, Leipzig, Germany</b>	
Indian elephant ( <i>Elephas maximus</i> )	0:2	African cheetah ( <i>Acionyx jubatus</i> )	2:2





Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
Madras Crocodile Bank Trust, Mamallapuram		Protivin Crocodile Zoo, Czech Republic	
<i>Gavialis gangeticus</i>	1:1:5	<i>Melanosuchus niger</i>	1:1:0
<i>Crocodylus palustris</i>	1:1:0	<i>Crocodylus rhombifer</i>	0:0:5
<i>Crocodylus moreletii</i>	0:0:6	<i>Paleosuchus trigonatus</i>	1:1:0
<i>Kachuga kachuga</i>	1:1:0	<i>Caiman latirostris</i>	1:1:0
		<i>Eunectus murinus</i>	1:1:0
		<i>Eunectus notaeus</i>	0:0:3
Paradise Wildlife Park, U. K.		Padmaja Naidu Himalayan Zoological Park, Darjeeling	
Satyr tragopan	2:2:0	---	---
Temminick tragopan	4:4:0	---	---

### Maintenance of Studbooks

The Central Zoo Authority has also compiled the National studbooks/animal profiles of around 44 species taken up under the Conservation Breeding Programme. The Wildlife Institute of India, Dehradun is working on preparation and updating the national studbooks of 14 of 44 identified wild animal species in captivity in Indian zoos (**Annexure VII**). The national studbooks/profiles of all the desired species as on 31<sup>st</sup> March, 09 will also be published in the annual inventory of the animals. The compiled data and the studbooks under the programme will be uploaded on the website of Central Zoo Authority.

The Central Zoo Authority is sponsoring joining of all the major Indian zoos (57 Nos.) and related organizations (4 Nos.) as members of International Species Information System / Zoological Information Management System (ISIS/ZIMS) since 1<sup>st</sup> January, 09. The Authority shall be paying for the memberships of all the zoos and organizations along with the training cost for the next 5 years. The zoos have already started sharing data with ISIS and Central Zoo Authority under the programme. International Species Information System (ISIS) has also adopted Member Secretary, Central Zoo Authority as Trustee in the ISIS Board.

### Theme/ Planning in Zoos

Development and management of a zoo in India is being treated as forestry/wildlife conservation activity, if the zoo are developed and managed as per the Master Plan approved by the Central Zoo Authority. The Central Zoo Authority has also assisted recognized zoos in finalization of Concept plans for preparation of detailed long term Master Plans for their future development. Around 20 nos. of facilitation meetings were organized state-wise for finalization



of concept plans by the Central Zoo Authority with concerned state wildlife departments and zoo operator of each zoo. The Central Zoo Authority has also agreed to provide financial assistance to the zoos for engaging independent consultants or experts for assisting in preparation of master plans. Large zoos are being provided Rs 4 lakhs, medium zoos Rs. 3 lakhs, small zoos Rs 2 lakhs and mini zoo/deer park/rescue centre are being provided Rs 1 lakhs each for preparation of the master plans. Central Zoo Authority also made advance payments of upto 40% of the agreed amounts to the requesting zoos for preparation of the Master Plans and then 30% on approval of layout plan and remaining 30% will be released on approval of master plan as a whole. The Central Zoo Authority has received 126 detailed Master Plans till the end of the year 2009-10 from the zoos and being analyzed for approval (**Annexure VIII**). So far 34 master layout plans of the zoos has been approved (**Annexure IX**).

### Human Resource Development

The Central Zoo Authority has sponsored a workshop on conservation breeding of Snow leopard from 6-8<sup>th</sup> November 2009 at Padmaja Naidu Himalayan Zoological Park Darjeeling and provided Rs. 5.0 lakhs as financial assistance. More than 20 participants from various zoos and institution attended the workshop and discussed the issues related to the Snow leopard conservation. The Central Zoo Authority has provided financial assistance of Rs. 3.2 lakhs each to MCBT Mahabalipuram, Lucknow Zoological Park Lucknow, Rajiv Gandhi Zoological Park Pune and Assam State Zoo Guwahati for organizing 2 weeks training workshop on "Management of reptiles in captivity" for keepers working in zoos on regional level. About 80 zoo keepers from various zoos attended the training programme.

The Central Zoo Authority nominated and sponsored zoo personnel in following workshop.

1. 14 para medical staff from zoos for attending a course on "Ethical treatment to the animals" organized by the National Institute of Animal Welfare Ballabgarh from 26-31 November 2009.
2. Directors of Padmaja Naidu Himalayan Zoological Darjeeling, Manda zoo Manda (Jammu), Nature Park Kufri, High Altitude zoo Nanital, and Himalayan Zoological Park Gangtok for attending the "International Conference on conservation of Hangul & other endangered deer species" held at Srinagar from 9-13<sup>th</sup> October 2009.
3. Veterinarians from Arignar Anna Zoological Park Vandalur, Madras Crocodile Bank Trust, Chennai Snake Park, Trivananthaapuram Zoological Park and Thrissur zoo for attending International conference on "Wildlife conservation, health and disease and management-A post millennium approach" held on 3-5 February 2010 at Chennai.

The Central Zoo Authority sponsored Shri Rahul Bhatnagar, Deputy Chief Wildlife Warden Warden Udaipur & In charge of Udaipur Zoo and Dr. Atul Gupta Veterinarian Van Vihar NP & Zoo Bhopal for attending the Endangered Species Recovery Course organized by the Durrell Wildlife Conservation Trust Jersey UK from 20.07.2009 to 7.08.2009.





Fig. 1 : Zoo Keepers training programme at Assam State Zoo, Guwahati



Fig. 2 : Zoo Keepers training programme at Rajiv Gandhi Zoological Park, Pune

## Research

The Central Zoo Authority has awarded small grant research project to Sri Chamarajendra Zoological Park Mysore to prepare protocol for maintaining live food (insects) for captive animals with the grant of Rs. 2.0 lakh for the duration of 2 year.

To prepare guideline for the conservation breeding of Snow leopard in captivity, the Central Zoo Authority awarded a research project to Padmaja Naidu Himalayan Zoological Park with the grant of Snow leopard Rs. 3.52 lakhs for the duration of 2 year.

The following research projects have been successfully concluded and concerned zoos/institution have submitted final reports to the Central Zoo Authority:

1. "Model disaster management plan for Indian zoos" by Kanpur Zoological Park"



2. "Record Keeping in Zoos" by Padmaja Naidu Himalayan Zoological Park, Darjeeling
3. "Pilot study on common foot ailments in captive Asian elephant of Tamil Nadu" by Madras Veterinary College, Chennai
4. "Develop guidelines for upkeep of reptiles in Zoos & Parks in India" by Rajiv Gandhi Zoological Park Pune
5. "Behavioral study for the Conservation breeding of Himalayan black bear" by Padmaja Naidu Himalayan Zoological Park, Darjeeling
6. "Standards, guidelines & protocols on disease diagnosis & cure of wild animals of Indian Zoos" by Indian Veterinary Research VRI, Bareilly

List of the ongoing research projects in zoos funded by the Central Zoo Authority is given in **Annexure-X**.

### **Improvement of Zoos**

The Expert Group on Zoo Designing of the Central Zoo Authority had six meetings during the year. The 8<sup>th</sup> meeting (1<sup>st</sup> meeting during the year) of the Expert Group was held on 29<sup>th</sup> April, 2009, where no proposal was approved. Proposal on establishment of a Conservation Park at Peruvannamuzhi in Kozhikode Distt., Kerala was deliberated and members desired submission of revised plan as per the suggestions made in the same meeting.

The 9<sup>th</sup> meeting of the Expert group of Zoo Designing was held from 6-7<sup>th</sup> April 2009 and approved design of enclosures (2 Nos.) and recommended approval of master layout plans of 13 zoos subject to the compliance to the suggestion made by the committee.

10<sup>th</sup> Meeting was held on 4<sup>th</sup> November 2009 and approved design of enclosures (6 Nos.) and recommended approval of master layout plans of 9 zoos subject to the compliance to the suggestion made by the committee.

11<sup>th</sup> Meeting was held on 23<sup>rd</sup> December 2009 and approved design of enclosures (3 Nos.) and recommended approval of the satellite facility at Jharkali West Bengal with the objective of decongesting the existing Zoological Garden Alipore subject to that master plan of the Alipore zoo should incorporate same.

12<sup>th</sup> Meeting was held on 12<sup>th</sup> January 2010 approved design of enclosures (4 Nos.) and recommended approval of master layout plan of 1 zoo subject to the compliance to the suggestion made by the committee. Master plan for establishing of new Zoo and Rescue Centre at Mukundpur, Distt. Satna, Madhya Pradesh was recommended for approval provided that the Central Zoo Authority whether decides to allow new zoo in this region of Madhya Pradesh. During the same meeting, it was also decided that the CZA will call the representative from the





zoos to explain the master plan before the members in the meeting of the Expert Group of Zoo Designing.

13<sup>th</sup> meeting of the Expert Group was held on 23<sup>rd</sup> February 2010; the detailed project report on establishing new Gorewada Zoo and Rescue Centre at Gorewada, Nagpur, Maharashtra was scrutinized by the members. The members felt that several large zoos including Night Safari has been incorporated in the plan, with flora & fauna from all over the world beside the Indian sub-continent, which appears to be highly ambitious. Therefore it was opined that the State Government should first take a decision, if the state government would be able to meet budgetary requirement to support the plan. The committee also made several other suggestions and sought revised proposal. The committee approved design of nocturnal house of Tirupati zoo and recommended approval of revised master layout plans of 5 other zoos subject to the compliance to the suggestion made by the committee. 2 new master layout plans of zoos were also recommended for the approval.

The Technical Committee approved financial grant worth Rs. 1000.10 lakhs for improvement of zoos. Seven number Rescue Centres dealing with the lions and tigers rescued from the circuses have been provided Rs. 430.52 lakhs for their maintenance including feed and medicines during the year. Details of the grants released to different zoos and other organizations during 2009-10 are given in **Annexure-XI**.

### Administrative Matters

There are 16 regular/contractual scientific/administrative personnel in the establishment of the Central Zoo Authority to assist the Member Secretary in discharge of his duties. Dr. B. R. Sharma completed his tenure as Member Secretary, CZA on 1<sup>st</sup> September 2009 and then Dr. Rajesh Gopal, Member Secretary of National Tiger Conservation Authority took over the additional charge of the Central Zoo Authority from 2<sup>nd</sup> September 2009 to 31<sup>st</sup> December 2009. Shri B.S. Bonal, IFS from Assam- Meghalaya Cadre joined the Central Zoo Authority as Member Secretary from 1<sup>st</sup> January 2010. The position in respect to the office establishment of the Central Zoo Authority and the names of the positions are as follows:

Sl. No.	Name of the post	Name of the incumbent	Pay-Band/Salary (Amount in Rs.)
	<b>Permanent basis</b>		
1.	Member Secretary	Dr. B.R. Sharma (upto 1.09.2009) Dr. Rajesh Gopal (2.09.2009 31.12.2009) Shri B.S. Bonal (1 <sup>st</sup> January 2010 onwards)	37400-67000 (Grade Pay Rs.10000)



Sl. No.	Name of the post	Name of the incumbent	Pay-Band/Salary (Amount in Rs.)
2.	Finance Officer	Shri P.C.S.Negi	15600-39100 (Grade Pay Rs.5400)
3.	Private Secretary	Mrs. Seema Burreja	9300-34800 (Grade Pay Rs.4600)
4.	Accountant	Shri R.S. Rawat (till 10 September 2009)	9300-34800 (Grade Pay Rs.4200)
5.	Data Processing Assistant	Shri Vivek Goel	9300-34800 (Grade Pay Rs.4200)
6.	Personal Assistant	Mrs. Neeti Gulati	9300-34800 (Grade Pay Rs.4200)
7.	Upper Division Clerk	Mr. Suresh Sharma	5200-20200 (Grade Pay Rs.2400)
8.	Lower Division Clerk	Shri Thakur Dass	5200-20200 (Grade Pay Rs.1900)
9.	Office Peon	Shri P.K. Jha	5200-20200 (Grade Pay Rs.1800)
10.	Office Peon	Shri Gopal Swami	4440-7440 (Grade Pay Rs.1300)
11.	Staff Car Driver	Shri Hari Singh Bhandari	5200-20200 (Grade Pay Rs.1800)
	<b>Outsourced basis</b>		
12.	Evaluation and Monitoring Officer	Dr. Brij Kishor Gupta	Rs.34,100/-
13.	Scientific Officer	Dr. Naim Akhtar	Rs.28,600/-
14.	Accountant	Shri S.N Dhaulakhandi (from 3 <sup>rd</sup> September 2009)	Rs. 13500/-
15.	Office Assistant	Ms. Madhu Bala	Rs. 13,200/-
16.	Office Assistant	Ms. Neeta Atal	Rs. 12,100/-
17.	Sweeper	Smt. Radha	Rs. 4950/-



The Central Zoo Authority has assisted the Wildlife Wing of the Ministry of Environment & Forests, Government of India to assign the task of independent evaluation of the scheme Central Zoo Authority to Educational Consultant India Ltd. (Ed. CIL) Noida. The Central Zoo Authority has received final report of the evaluation which strongly recommended for employing more man power in the CZA on permanent basis to exercise its duties in effective manner.

## Financial Matters

During the financial year 2009-10, Central Zoo Authority received Rs. 1750.00 lakhs as Grants-in-Aid from Ministry of Environment & Forests, Government of India. Out of this, Rs. 1525.67 lakhs have been released as Grants-in-Aid to public sector zoos and other organizations during the year.

The Central Zoo Authority receives limited annual grant-in-aid from the Ministry of Environment & Forests for providing financial assistance for improvement to zoos. It was also decided by the Central Zoo Authority in its 22<sup>nd</sup> meeting held on 27.1.2009 that the Authority shall restrict the financial assistance to the zoos for improvement of animal housings only for the animals, which are already with the zoos and suffering because of bad housings and for the identified endangered wild animal species of the area and for improvement of veterinary facilities including other infrastructure. Funds for creation of off-display housing facilities for rescued/ surplus wild animals as per the needs state-wise shall also be provided by the Central Zoo Authority. The Central Zoo Authority shall also provide funds for creation and maintenance of off-display conservation breeding centres in the coordinating zoos for identified critically endangered wild animal species under the coordinated planned-conservation breeding programme of the Central Zoo Authority.

The Central Zoo Authority has sponsored 24 zoos and four institution for using the ARKS software of the International Species Information System for better recordkeeping in the zoos for the year of 2009.

Accounts of the Central Zoo Authority for the year 2009-10 have been compiled. The internal audit has been conducted by the Finance Officer of the Central Zoo Authority and the final audit of the accounts of the Central Zoo Authority is conducted by the Principal Director of Audit, Scientific Department of the CAG under Section 19(2) of C&AGs (Duties, powers and conditions of Service) Act, 1972 read with Section 38 E (5) & (6) of the Wild Life (Protection) Act, 1972. Copy of the Accounts for the year 2009-10 containing receipt & payments accounts, income & expenditure accounts and balance sheet as on 31<sup>st</sup> March, 2010 with schedule is placed as **Annexure-XII**. Remarks made by the Comptroller and Auditor General of India on functioning of the Central Zoo Authority is placed as **Annexure XIII**.





## Other activities carried out during the year

### Rescue Centres:

The Central Zoo Authority has provided an amount of Rs. 430.52 lakhs for maintenance including feed and medicines etc. for large number of lions, tigers, leopards, bears and monkeys rescued or from the circuses and rehabilitation 7 Nos. rescue centres created at Bangalore, Chennai, Tirupathi, Visakhapatnam, Bhopal, Jaipur and South-Khairabari (West Bengal).

Considering the unsatisfactory upkeeps of the elephants in some of the zoos, the CZA had issued a advisory on housing of elephant in Indian zoos. The advisory states that all captive elephants in zoos should be rehabilitated in elephant camps/rehabilitation camp/facilities available with the forest department at National Parks/Wildlife Sanctuaries/ Tiger Reserves for department use. The Central Zoo Authority will bear the cost for transportation of elephants in this regard, based on a proposal received through the Chief Wildlife Warden of the State.

The Central Zoo Authority has been an affiliate member of the World Association of Zoos and Aquarium (WAZA) since 1993 and provided annual membership fee of Rs. 93,873/- (CHF 2500) to WAZA Secretariat for the year 2009. The Central Zoo Authority has also contributed US \$ 1000 to the Conservation Breeding Specialized Group of Species Survival Commission of IUCN as Protector Member in its Conservation Council.





रजिस्ट्री सं० डी० एल०-33004/99

REGD. NO. D. L.-33004/99

भारत का राजपत्र  
The Gazette of India



सत्यमेव जयते

असाधारण

EXTRAORDINARY

भाग II-खण्ड 3-उप-खण्ड (i)

PART-II - Section 3 - Sub- section (i)

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 643]

नई दिल्ली, बुधवार, नवम्बर 11, 2009 / कार्तिक 23, 1933

No. 643]

NEW DELHI, THURSDAY, OCTOBER 15, 1998/ASVINA 23, 1920

**MINISTRY OF ENVIRONMENT AND FORESTS**

New Delhi, the 10<sup>th</sup> November, 2009

**NOTIFICATION**

G. S. R. 807 (E). \_\_\_\_ In exercise of the powers conferred by clauses (f) and (g) of Sub-section (1) of section 63 of the Wild Life (Protection) Act, 1972 (53 of 1972), and in supersession of the Recognition of Zoo Rules, 1992, except as in respect of things done or omitted to be done before such supersession, the Central Government hereby makes the following rules, namely;:-

**1. Short title and commencement**

(1) These rules may be called the Recognition of Zoo Rules, 2009.

(2) They shall come into force on the date of their publication in the Official Gazette

**2. Definitions**

In these rules unless the context otherwise requires:



- (a) "Act" means the Wild Life (Protection) Act, 1972 (53 of 1972);
- (b) "Central Zoo Authority" means the Central Zoo Authority constituted under section 38A of the Act;
- (c) "Conservation Breeding Centre" means the facility specially dedicated to planned conservation breeding of an endangered species of wildlife.
- (d) "Enclosure" means any accommodation provided for zoo animals.
- (e) "Enclosure barrier" means a physical barrier to contain an animal within an enclosure.
- (f) "Endangered Species" means species included in Schedule I and Schedule II of the Act.
- (g) "Critically endangered species" means an endangered species whose total number in all the zoos in the country put together does not exceed 200.
- (h) "Form" means a form appended to these rules.
- (i) "Performance" means any effort to force the animal to carry out unnatural act including performance of circus tricks.
- (j) "Rescue Centre" means an establishment for the long-term care of animals specified in the Schedules to the Act.
- (k) "Stand-of-barrier" means a physical barrier set back from the outer edge of an enclosure barrier.
- (l) "Zoo Director" means an in-charge of the zoo with whatever designation, responsible for day to day management of the zoo.
- (m) "Zoo Operator" means the person who has ultimate control over the affairs of the zoos provided that \_\_\_\_\_
- I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or
  - II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or
  - III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.



**3. Application for Recognition**

- (1) An application for recognition of a Zoo under section 38H of the Act, shall be made to the Central Zoo Authority in Form I.
- (2) An application for obtaining prior approval of the Central Zoo Authority under sub-section (1A) of section 38H of the Act for establishment of a new zoo shall be made to the Central Zoo Authority in Form I along with the a detailed project report.

**4. Fees for Application**

There shall be paid in respect of every application made under rule 3, a fee of ten thousand rupees to be paid through Demand Draft or Postal Order in favour of the "Central Zoo Authority, New Delhi".

**5. Documents to be filled along with the application and particulars it should contain.**  
-----

Every application under rule 3 shall be accompanied by the fee specified under rule 4 and shall also contain documents and particulars as to the matters specified in Form I.

**6. Power to make inquiries and call for information**

The Central Zoo Authority may, before granting recognition to a zoo under Section 38H of the Act, make such inquiries and ask for from the applicant such further information, as it may considers necessary.

**7. Form of recognition -----** (1) The Central Zoo Authority may, on being satisfied with regard to sufficiency of facilities and standards in the zoo, grant recognition to such zoo.

- (2) The recognition granted to a zoo under sub-rule (1) shall be subject to the following conditions, namely;
  - (a) that the recognition unless granted on a permanent basis, shall be for such period not less than one year as may be specified in the recognition.
  - (b) that the zoo shall comply with such standards and norms as are, or may be specified or imposed, by or under the provisions of the Act or the rules made thereunder; and
  - (c) the zoo shall comply with the directions and guidelines issued by the Central Zoo Authority from time to time, for the purpose of maintenance and upkeep of the zoo.

**8. Renewal of recognition -----** (1) A zoo, recognized under these rules, shall make an application to the Central Zoo Authority in Form I three months before the expiry of the period of recognition..





- (2) The provisions of rule 3, rule 4, rule 5, rule 6 and rule 7 shall apply in relation to renewal of recognition as they apply in relation to grant of recognition except that the fee payable in respect of an application for renewal of recognition shall be five thousand rupees.

9. **Classification of zoos.** ----- (1) For the purposes of deciding standards and norms for recognition of zoo and monitoring and evaluating its performance, the zoo, on the basis of area, number of visitors, number of species and animals, endangered species and number of animals of endangered species in its collection shall be taken into consideration and the zoo shall accordingly be classified into following four categories as specified in the Table, namely:-

S. No	Category of Zoo	Criteria for Qualifying to the category					
		(3)	(4)	(5)	(6)	(7)	(8)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Area of the zoo (hectares)	No. of visitors in a year (in lakhs)	No. of species	No. of animals	No. of endangered species	No. of animals of endangered species
1.	Large	75	7.5	75	750	20	100
2.	Medium	35	3.5	35	350	10	50
3.	Small	10	1.0	10	100	3	15
4.	Mini	Less than 10	Less than 100	Less than 10	Less than 100	--	----

- (2) The zoo which meets at least any four of the aforesaid criteria (but including number of species and number of animals) shall be classified as such by the Central Zoo Authority.

Provided that the Central Zoo Authority may, by order in writing, allow a mini zoo to keep animals of endangered species subject to the conditions, if any, laid down in that order with regard to the area of the zoo, housing, upkeep and healthcare facilities including deployment of veterinarian and supervisory level staff.

#### 10. **Standards and norms for recognition.**-----

The Central Zoo Authority shall grant recognition to a zoo, with due regard to the interest of protection and conservation of wildlife, and on being satisfied that the standards and norms and other matters specified in the Schedule are met by such zoo:



Provided that the Central Zoo Authority may, if it considers appropriate, and for reason to be recorded in writing, grant recognition, with conditions, if any, to such zoo which have shown considerable improvement in the past and have the potential and resources to come up to the prescribed standards and norms within a reasonable time frame and are willing to do so. Such an action would lead to qualitative improvement in the zoos, and avoid logistic problems arising due to the closure of the zoos on the basis of their present status.

**11. Maintenance of Records and submission of Inventory**

- (1) Every zoo shall maintain record of the births, acquisitions, deaths and disposals of animals of each species in its collection in the manner and in the format determined by the Central Zoo Authority and the inventory of the animals in the collection of each zoo, along with the details mentioned above for each financial year shall be submitted to the Central Zoo Authority by 30<sup>th</sup> day of April of the ensuing year in Form II.

Provided that the details in respect of the animals pertaining to the species included in Schedule I and Schedule II to the Act, along with the detailed reasons of death identified on the basis of the post-mortem examination reports shall be submitted to the Central Zoo Authority every quarter, within a period of fifteen days of the end of that quarter.

- (2) Every zoo shall submit an annual report of its activities and compliance of the conditions stipulated by CZA for each financial year to the Central Zoo Authority by the 30<sup>th</sup> day of June of the year.

**THE SCHEDULE**

[See rule 10]

**1. General requirements.-----**

- (1) Every zoo shall endeavour to establish and sustain population of physically, genetically and behaviorally healthy animals for furthering the cause of wildlife conservation and communicating credible conservation message to the visitors through display of healthy animals in naturalistic settings.
- (2) Every zoo shall, through proper landscaping and planting of appropriate species, provide a naturalistic environment within the zoo to enable the visitors to have communion with nature and get motivated for living in harmony with nature.
- (3) Every zoo shall endeavour to regulate the movement of visitors in the zoo in such a manner that zoo animals are not unduly disturbed, stressed or provoked and the zoo shall be closed to visitors at least one day in a week.
- (4) Every zoo, as a safeguard against the un-regulated access of visitors to the zoo and zoo animals being subjected to injury, pilferage and predation, shall design



appropriately the barriers along the boundary of the zoo in accordance with the standards issued by the Central Zoo Authority in this regard.

- (5) Every zoo, which is surrounded by human landscape shall be encompassed by a perimeter wall of at least two meter in height from the ground level on both sides.
- (6) No residential colony shall be constructed within the zoo premises.

Provided that where such colonies already exist, it shall be separated from the zoo premises by a boundary wall with a minimum height of two meters from the ground level. The entry to the residential colony shall not be through the zoo premises.

- (7) Every zoo shall carry out its operations in a manner that causes minimum stress on natural resources and produces the minimum of solid wastes and effluents and the zoo shall also endeavour to put in place the practices of effective waste management through reducing, reusing and recycling and disposing the effluents and the solid wastes in a manner that causes least adverse environmental impact.
- (8) Every zoo shall refrain from display of sick, injured, infirm and tethered animals to the visitors and such animals shall be housed in off-display facilities specially earmarked for and providing appropriate upkeep and healthcare for such animals
- (9) Every zoo shall refrain from housing of domestic animals and pets within the zoo premises and adequate safeguards shall also be put in place to prevent the entry of domestic livestock, stray animals and pets into the premises of the zoo.

## 2. Administrative and Staffing Pattern

- (1) The zoo operators shall post an officer of appropriate rank as "whole time in-charge" of the zoo with powers to take decision and ensure that adequate financial resources and infrastructural support is made available to such officer for proper housing, upkeep and healthcare of the zoo animals and managing the zoo in a planned manner.
- (2) Every zoo operator shall provide adequate scientific and technical staff to support the officer-in-charge of the zoo in carrying out the responsibilities of housing, upkeep and healthcare of zoo animals, research and visitor education as specified in the Table below, namely:





S. No.	Category of staff	Large Zoo	Medium Zoo	Small Zoo	Mini Zoo
(1)	(2)	(3)	(4)	(5)	(6)
1.	Curator	1	1	1	Mini Zoos shall avail the assistance of appropriately qualified individuals available locally
2.	Veterinarian	2	1	1	
3.	Education Officer	1	1		
4.	Biologist	1	1	1	

- (3) In cases the scientific and technical posts are filled by direct recruitment, the recruitment rule for such posts shall provide for their career progression including the benefit of flexible complementing scheme for their promotions.

### 3. Development and Planning

- (1) Every zoo shall prepare and get the master plan approved by the Central Zoo Authority.
- (2) Zoos which are in operation at the time of the commencement of these rules, shall prepare and get the master plans approved from the Central Zoo Authority within one year from the date of commencement of these rules.
- (3) The master plan referred to in sub-paragraphs (1) & (2), shall inter alia, include all round development of the zoo for a period of twenty years which shall be revised every ten years along with a detailed layout plan prepared on the basis of the theme adopted by the zoo, indicating the locations of green belts, lawns, gardens, animal display area, visitor facilities, support infrastructure for animal upkeep and healthcare, buildings for administrative and maintenance unit.
- (4) Atleast 30% of the area earmarked for the zoo shall be kept under green belt and natural vegetation and the area for animal housing shall not exceed 30% area of the zoo.
- (5) Every zoo shall take adequate care to locate and design all 'pucca' buildings including the visitor facilities in such a manner that the natural landscape of the zoo and animal enclosures are not masked and the cleanliness and hygiene of the zoo is not affected.
- (6) Every zoo shall, in consultation with the Central Zoo Authority, prepare a collection plan indicating the names of the species and maximum number of animals of each species to be housed in the zoo, having due regard to the congeniality of the climatic conditions of the locality for the general health and well



being of the species, availability of the space and infrastructural support for proper upkeep and healthcare of the species, proximity of the zoo to the habitat range of the species and the past record of the zoo in management and breeding of the species and no zoo shall compromise on housing and upkeep standards of animals for accommodating new species or additional animals of the species in its collection.

- (7) No zoo shall accept any rescued animal unless it has appropriately designed enclosure and upkeep facilities for the animal as well as the facilities for keeping it in isolation during quarantine period.
- (8) Whenever any zoo decides to accept any rescued animal for housing, a detailed report regarding the source from which the animal has been received, legality of its acquisition and the facilities available at the zoo for housing, upkeep and healthcare shall be sent to the Chief Wildlife Warden of the State.

Provided that in case, the rescued animal pertains to an endangered species a copy of the report shall also be sent to the Central Zoo Authority.

- (9) Any decision of the Central Zoo Authority about any animal being sent to a particular zoo for augmenting the number of founder animals for the conservation breeding programme of the species shall be binding on the concerned zoo.

#### **4. Animal housing, display of animals and animal enclosures**

- (1) Every zoo shall endeavour to display the animals in nature immersing enclosures.
- (2) The designs and dimensions of every enclosure shall be determined having due regard to the biological behaviour of the species and the number of animals to be housed therein as per the standards specified by the Central Zoo Authority in this regard from time to time.
- (3) The zoo shall ensure that the enclosure is safe and secure for the animals, animal keepers and the visitors and has requisite space for free movement, exercise and expression of natural behaviour by the animals.
- (4) Adequate space shall also be made available to the animals in order to maintain safe distance from the dominant animals in the group or herd.
- (5) No zoo shall display any animal in the enclosure that is not in accordance with the standards specified by the Central Zoo Authority in this regard.
- (6) Every zoo shall make special efforts to enrich the environment of the enclosure to meet the species specific behavioural requirements of the animals in accordance with the standards specified by the Central Zoo Authority.



- (7) Adequate screening shall be provided between adjacent enclosures to safeguard against the animals getting unduly excited or stressed due to visibility of animals housed in these enclosures
- (8) No new enclosures for endangered species shall be constructed without prior approval of the Central Zoo Authority.
- (9) Every zoo shall provide appropriately designed and effective stand off barriers at every animal display enclosure to regulate the movement of visitors in the zoo in a manner that facilitates the visitors in getting unobstructed view of wild animals, without reaching in the vicinity or proximity of the animals and getting the opportunity to physically touch or provoke the animals and shall also display adequate sign boards so as to give warning to the visitors to keep a safe distance from the animals.
- (10) Every zoo shall provide appropriate signage with relevant information on the biology, behaviour and the population status of the species in the wild at every display enclosure.

Provided that large and medium zoos shall endeavour to provide interactive interpretation facilities for the purpose of explaining behaviour and biology of the species displayed in the enclosure.

#### **5. Upkeep and healthcare of animals**

- (1) Every zoo shall house and maintain the animals in its collection in socially and behaviourally viable groups. No animal shall be separated from the group unless doing so is necessary for the security and welfare of the animal or other animals in the group.

Provided that the animals, so separated, shall be housed in accordance with standards specified by the Central Zoo Authority in this regard.

- (2) Every zoo shall endeavour to provide all the animals in its collection timely supply of quality food of such a composition and in such quantities that nutritional and behavioural requirement of each animal are fully met and adequate safeguards shall be taken to ensure that no animal remains under-nourished on account of dominant animals not permitting other animals getting their share of the feed and the zoo operator shall ensure round the clock supply of potable water to all the animals in the zoo.
- (3) The timing of distribution of food, placement of food and way of distribution of food to the animals shall be regulated in such a manner that the animals get maximum opportunity to express natural instincts and skills and behaviour related to feeding.





- (4) As a safeguard against feral animals, free ranging wild animals and scavengers sharing the feed of the zoo animals, each animal shall be provided feed in the feeding cells/ kraals specially earmarked for the purpose and such feeding cells and kraals shall be so designed that these can also serve as indoor enclosures for the animals during extreme weather conditions as well as for secure stay during the nights:

Provided that the dimensions and designs of the feeding cells and kraal shall be as per the standards specified by the Central Zoo Authority.

- (5) Every zoo operators shall ensure that the left over feed, excreta of animals and all other wastes are removed promptly from the feeding cells and kraals and the feeding cells and kraals are washed and disinfected as per the advice of the authorized veterinary officers and the solid and the liquid waste generated during the process shall be disposed off in such manner that has no adverse impact on the hygiene and cleanliness of the zoo and the landscape surrounding the zoo.
- (6) The curatorial and the veterinary staff shall keep a close watch on the general behaviour and health parameters of the zoo animals. The animals shall be handled only by the staff having experience and training in handling the individual animals.
- (7) Any animal that shows any sign of dullness, loss of appetite, injury or abnormal behaviour shall be thoroughly assessed and provided medical attention promptly as per the standards specified by the Central Zoo Authority in this regard from time to time and the direction of the Zoo administration.
- (8) Every zoo animals shall be screened for parasitic loads as per written schedule prepared by the zoo in consultation with the veterinary officer and prophylactic medicines administered as per clinical requirements and vaccination of animals against infectious diseases shall also be done, as per the schedule prescribed by the Veterinary Officer from time to time.
- (9) All staff involved with upkeep and healthcare of zoo animals shall be screened against zoonotic diseases once every year and those found positive to any communicable disease shall be provided appropriate treatment till they get cured and freed of the infection and during the period of such treatment, the infected employees shall be kept away from the responsibility of upkeep and healthcare of the animals.
- (10) Every zoo shall maintain detailed records of observations of biological and social behaviour and health status of the animals including feed intake, medication and treatment provided in the keeper's diary, daily reports, animal history cards and treatment cards, as per standards specified by the Central Zoo Authority.

**6. Veterinary and infrastructure facilities**

- (1) Every zoo shall, -----
- have veterinary facilities appropriate to the size and type of the animal collection of the zoo;
  - have a full fledged veterinary unit with all basic diagnostic facilities, comprehensive range of drugs, operation theatre and in-patient wards.
  - Provided that a mini zoo shall have at least facilities of a treatment room.
- (2) No zoo shall acquire sophisticated and costly diagnostic equipments unless there is adequate technically qualified manpower to operate and use the same.
- (3) Every zoo, except mini zoo, shall have a postmortem room, isolation ward, quarantine ward, animal restraining and tranquilizing equipments and a veterinary care reference library.
- (4) Tranquilization of any animal shall be done exercising utmost care and following the standards specified in this regard by the Central Zoo Authority from time to time.
- (5) Every zoo operator shall provide each zoo the veterinary support staff as specified in the Table below; namely:-

S. No.	Support Staff	Large Zoo	Medium Zoo	Small Zoo
(1)	(2)	(3)	(4)	(5)
1.	Lab. Assistant	1	1	-
2.	Stockman or compounder	2	1	1

Provided that a Mini zoo shall have atleast one whole time employee to take care of upkeep and feeding of the zoo animals.

- (6) Every zoo shall have linkages with the eminent institutions and organizations working in the field of wild animal healthcare with the objectives to provide for:
- the assistance in scientific diagnosis of diseases of serious nature and advise on the effective remedial treatment.
  - the training and upgrading technical skills of zoo staff; and



- (c) the development of protocols for preventive medicines and vaccination

#### 7. Post-mortem and disposal of carcasses of animals

- (1) Every animal died in the zoo shall be subjected to a detailed postmortem examination by registered veterinarian to determine conclusively the cause of the death.
- (2) The findings of the post-mortem examination referred to in sub-paragraph (1) shall be recorded in such format as may be prescribed by Central Zoo Authority and in this regard and shall be maintained for a period of not less than six years.
- (3) In the event of the post mortem being inconclusive and no specific reason for death is identified, the zoo authorities shall send the samples of the tissues and organs, blood, viscera etc. for further examination to the qualified diagnostic laboratory having adequate specialization for further investigation and identifying the cause of death.
- (4) Every zoo shall ensure that the carcasses of the animals, after the post-mortem has been conducted, is disposed off by burying or burning in a manner that does not have any adverse impact on the hygiene and cleanliness of the zoo:

Provided that the carcasses of large cats shall be disposed off by burning in the presence of the Director of the zoo or any officer in the next rank to him and authorized by him in this behalf:.

Provided further that the carcasses of animals died due to Anthrax or such other communicable diseases shall not be opened and subjected to post-mortem, as a safeguard against spread of the disease. These shall be buried intact.

#### 8. Euthanasia of the animals

- (1) No animal in the zoo shall be euthanized unless doing so is essential for the health of other animals or relieving the animal from unnecessary suffering or agony and whenever such exigencies arrives, action may be taken in accordance with the norms specified by the Central Zoo Authority in this regard.

#### 9. Acquisition and breeding of animals

- (1) Every zoo shall endeavour to keep and maintain animals of various species in their collection in such a sex ratio that optimizes breeding and helps in developing a self-sustaining population of each species.
- (2) To safeguard against ill effects of inbreeding on the zoo population, the zoo shall endeavour to introduce unrelated animals to zoo stock through exchange, loaning and getting gifts of animals from other zoos.





- (3) No zoo shall acquire single animal or genetically non-viable number of animals unless such acquisition is necessary for pairing of single animals or making the group genetically/ biologically viable.
- (4) Every zoo shall endeavour to acquire mates for single and unpaired animals on priority basis and in the event of any zoo failing to find a mate for single and unpaired animal within a period of six months, the unpaired or single animal shall be transferred or exchanged or given on breeding loan to any other zoo in accordance with the norms specified by the Central Zoo Authority in this regard.
- (5) For the purpose of transportation of animals from one place to another, the standards specified in this regard by the Central Zoo Authority shall be complied with.
- (6) The Central Zoo Authority shall assign the responsibility of conservation breeding of the identified critically endangered species to identified zoos having technical capabilities and housing facilities, preferably close to the distribution range of the species and every zoo shall help the identified zoos in implementing the breeding programme.
- (7) The surplus animals from the breeding population shall be made available to the contributing zoo for display purposes on the basis of quality of housing and infrastructural facilities available with the zoos.
- (8) Every zoo shall, with a view to prevent inbreeding and the loss of heterozygosity, the zoos shall maintain the animal history cards & stud and herd book for the animals of endangered species housed in the zoo and put appropriate identification marks and transfer or exchange animals with other zoos.
- (9) Every zoo shall endeavour to limit the number of animals of each species within the limits set by the animal collection plan of the zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due consideration of the health and welfare of the animals and interest of their long term survival.
- (10) Every zoo shall take effective measures to safeguard against escape of the zoo animals from the premises of the zoo and in the event of any accidental escape, immediate action shall be taken to retrieve the escaped animals.
- (11) No zoo shall release any captive animal into the wild except in accordance with the norms specified by the Central Zoo Authority in this regard.
- (12) Every zoo shall ensure that no hybridization of species or races of same species takes place in the zoo.



- 10 Research activities ---** Every zoo shall endeavor to carry out collaborative research for evolving innovative strategies for providing the animals housed in the zoo a better quality of life, enhanced longevity, higher genetic and behavioural viability and improved reproduction potential and to achieve the said goal the every zoo, other than mini zoos, shall make arrangements for meticulous recording of data on the social behaviour, group dynamics and reproductive biology of the species housed in the zoo and developing a data base to be shared with other zoos and the identified institutions, in accordance with norms specified by the Central Zoo Authority in this regard.
- 11. Education and outreach activities ----** (1) Every zoo shall endeavour to educate the visitors to the zoo and the people at large about the significance of wildlife conservation for the general well being of the people and keeping the life support system of nature intact and the efforts shall be made to make people aware about the role played by the zoos in this regard and the ways and means through which general public can participate and contribute for the same.
- (2) No physical handling or performances by animals shall be permitted as part of educational activity.
- 12. Visitors facilities**
- (1) Every zoo operator shall provide adequate civic facilities for visitors at appropriate and convenient places in the zoo including for physically disadvantaged persons and such facilities shall be so located that they do not mask or impact the view of enclosures.
- (2) Every zoo shall have first aid facilities including snake anti-venom and life saving drugs, readily available in the zoo premises.
- (3) Every zoo shall make arrangements for providing access to the handicapped persons for viewing wild animals at various animal enclosures.

[F.No.5-1/2009-WL I]

(Anmol Kumar)  
Dy. Inspector General (Wildlife)



## FORM- I

[See rules 3 &amp; 8 ]

APPLICATION FOR GETTING RECOGNITION FROM THE CENTRAL ZOO  
AUTHORITY  
UNDER SECTION 38H (Sub-section 2)

To

The Member Secretary  
Central Zoo Authority  
Annexe No. VI, Bikaner House,  
Shahjahan Road,  
New Delhi – 110 011.

We want to get recognition under section 38H of the Wild Life (Protection) Act, 1972 in respect of \_\_\_\_\_. Bank Draft for Rs. \_\_\_\_\_ drawn in favour of Central Zoo Authority, New Delhi is also enclosed. The required information in respect of \_\_\_\_\_ is as under:

1. Name of the Zoo:
2. Location and area of the Zoo:
3. Date of Establishment:
4. Name and address of the Zoo Operator:
- \*5. Total number of visitors to the Zoo during the last three years: (Year wise):
- \*6. Total number of days on which zoo is open to visitors during a calendar year:
7. Number of animals/ species exhibited by the zoo:

Stock position during the current financial year			
Number of species	Stock Position on the close of preceding year	Birth/ Acquisitions/ Deaths/ Disposal	Stock as on the date of application
Mammals			
Birds			
Reptiles			
Amphibians			
Fishes and			
Invertebrates			





8. Total number of enclosures:  
\*(i) Open air enclosures:           (ii) Closed cages/ aviaries:
9. List of endangered species bred during last 3 years:
10. Veterinary facilities:
  - (a) Whole time veterinarian available or not:
  - (b) Facilities available in the Veterinary Hospital:
    1. Operation theatre/ Surgical room
    2. X-ray facility
    3. Squeeze cages
    4. In-door patient ward
    5. Quarantine ward & Isolation ward
    6. Dispensary
    7. Veterinary care reference library
    8. Nursery for hand-rearing of animal babies
    9. Pathological laboratory
    10. Tranquilizing equipments/ drugs
    11. Post-mortem room
    12. Whether the following facilities exist in the zoo:
      - (a) Kitchen
      - (b) Food store
      - (c) Deep freeze
      - (d) Portable water facility
      - (e) Food distribution van/ rickshaw etc.
11. Sanitary care and disease control:  
Whether:-
  - (i) Pollution free water to animals for drinking is available? (ii) Proper drainage



system exists in enclosures? (iii) Regular disposal of refuse material is done? (iv) Programme for control of pests and predators exists? (v) Preventive measures like deworm and vaccination are being provided?

\*12. Amenities to visitors:

Whether:

- (a) Public facilities like toilets/ bathrooms exist?
- (b) Sufficient number of drinking water taps available?
- (c) Visitor information centre and nature interpretation centre exist?
- (d) Zoo education facilities have been provided?
- (e) Public telephone booths are available?
- (f) Kiosks and restaurants are available at the zoo?

\*13. Safety measures for visitors:

Whether:-

- (a) Effective stand-off barriers have been provided around enclosures?
- (b) Adequate number of warning signboards exist?
- (c) First-Aid measures are available?

14. Budget of the Zoo for the last 3 years Revenue Grants Total expenditure:

15. Annual Report, Guide books, Brochure or any other publication (copies enclosed)

16. Master plan/ detailed project report of the zoo (enclose a copy)

**Signature of the Applicant**

**Name of the Applicant**

**Date:**

\*Rescue Centres and Conservation Breeding Centres are not required to provide information.



FORM-11

[See rule 11 (1)]

PART-A

**Proforma for Quarterly Inventory Report**

Inventory Report for the Quarter/ Year :

S. No	Endangered Species*	Animal Name	Scientific Name	Opening Stock as on			Births			Acquisitions			Disposals			Deaths			Closing Stock as on					
				M	F	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
	Bird																							
1.																								
2.																								
....																								
	Total Birds																							
	Mammal																							
1.																								
2.																								
....																								
	Total Mammal																							
	Reptile/ Amphibians																							
1.																								
2.																								
....																								
	Total Reptile/ Amphibians																							
	Invertebrate																							
1.																								
2.																								
....																								
	Total Invertebrate																							
	Total Animals																							

Director

\*Animals under Sch- I and Sch -II of Wild Life (Protection) Act, 1972  
Curator (Animals)



**PART -B**  
**Proforma for Annual Inventory Report**

Inventory Report for the Year :

Other than endangered endangered Species

S. No	Animal Name	Scientific Name	Opening Stock as on 1-4-				Births				Acquisitions				Disposals				Deaths				Closing Stock as on 31-03-							
			M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T	M	F	U	T				
	Bird																													
	1.																													
	2.																													
	....																													
	Total Birds																													
	Mammal																													
	1.																													
	2.																													
	....																													
	Total																													
	Mammal																													
	Reptile/ Amphibians																													
	1.																													
	2.																													
	....																													
	Total																													
	Reptile/ Amphibians																													
	Invertebrate																													
	1.																													
	2.																													
	....																													
	Total																													
	Invertebrate																													
	Total																													
	Animals																													

Curator (Animals) Director

**Annexure - II****List of Zoos evaluated by the Central Zoo Authority during the financial year 2009-2010**

S. No.	Name of the Zoo	Category	Name of evaluators	Date of evaluation
1.	Sakkarbaug Zoo, Junagarh, Gujarat	Large Zoo	Dr. Vibhu Prakash & Dr. B. K. Gupta	05.5.2009
2.	G V K Industires Deer Park , Hyderabad, Andhra Pradesh	Mini Zoo	Dr. Naim Akhtar	26.5.2009
3.	Deer Park, NFCL Green Belt, Kakinada, Andhra Pradesh	Mini Zoo	Dr. Naim Akhtar	27.5.2009
4.	Malsi Deer Park (Dehradun Biological Park) Dehradun, Uttarakhand	Mini Zoo	Dr. B. R. Sharma	27.5.2009
5.	Nature Park at toratotla Road, Kolkata, West Bengal	Rescue Center	Dr. B. R. Sharma	27.5.2009
6.	Vanvigyan Kendra, Hunter Road, Hanamkonda, Warangal, Andhra Pradesh	Mini Zoo	Dr. Naim Akhtar	28.5.2009
7.	Karimnagar Deer Park Andhra Pradesh	Mini Zoo	Dr. Naim Akhtar	28.5.2009
8.	Nehru Park Zoo, Danakgre, Tura, Meghalaya	Mini Zoo	Sh. N. Mahanta	29.5.2009
9.	H.A.L. Deer Park, Koraput, Sunabeda, Orissa	Mini Zoo	Sh. Bhattacharjee	05.6.2009
10.	Kuanria Deer Park, Nayagarh Forest Division, Nayagarh, Orissa	Mini Zoo	Sh. Bhattacharjee	08.6.2009
11.	Aizwal Zoo, Mizoram	Small Zoo	Sh. S. C Sharma and Dr. B. K. Gupta	08.6.2009
12.	Tapta Pani Deer Park, Parlakhemundi, Orissa	Mini Zoo	Sh. Bhattacharjee	09.6.2009



S. No.	Name of the Zoo	Category	Name of evaluators	Date of evaluation
13.	Sanjay Gandhi National Park & Zoo, Borivali, Maharashtra	Mini Zoo	Dr. J. H. Desai & Dr. R. G. Jani	09.6.2009
14.	Gharial Research & Conservation Unit, Tikarpara Orissa	Mini Zoo	Sh. Bhattacharjee	10.6.2009
15.	Snake Park, Shikshan Mandal, Kolhapur, Maharashtra	Mini Zoo	Dr. J. H. Desai & Dr. R. G. Jani	10.6.2009
16.	Mahatma Gandhi Rashtriya Udyan Zoo, Solapur, Maharashtra	Small Zoo	Dr. J. H. Desai & Dr. R. G. Jani	11.6.2009
17.	Rescue & Rehabilitation Home, Tutikandi, Himachal Pradesh	Rescue Center	Sh. Dharminder Sharma	12.6.2009
18.	Nagaland Zoological Park, Rangapahar, Dimapur	Mini Zoo	Sh. B. S. Bonal	15.6.2009
19.	Nandakanan Biological Park, Bhubaneswar, Orissa	Large Zoo	Sh. Kamal Naidu	09.7.2009
20.	Sarnath Deer Park, Varanasi, Uttar Pradesh	Mini Zoo	Dr. B. K. Gupta	25.7.2009
21.	Amirdhi Zoo, Vellore, Tamil Nadu	Small Zoo	Dr. B. K. Gupta	30.7.2009
22.	Agra Bear Rescue Facility, Agra, Uttar Pradesh	Rescue Center	Sh. S.C. Sharma and Dr. B. K. Gupta	08.8.2009
23.	Jawaharlal Nehru Biological Park, Bokaro, Jharkhand	Small Zoo	Dr. Ajit Pattnaik & Dr. P. K. Roy	17.8.2009
24.	Tata Steel Zoological Park, Jamshedpur, Jharkhand	Small Zoo	Dr. Ajit Pattnaik & Dr. P. K. Roy	18.8.2009
25.	Biological Park, Itanagar, Arunachal Pradesh	Small Zoo	Dr. B. R. Sharma & Dr. B. K. Gupta	30.8.2009
26.	Shivganga Garden Mini Zoo, Thanjavur, Tamil Nadu	Mini Zoo	Dr. Naim Akhtar	05.9.2009
27.	Kurumbapatti Zoological Park, Salem, Tamil Nadu	Mini Zoo	Dr. Naim Akhtar	06.9.2009





S. No.	Name of the Zoo	Category	Name of evaluators	Date of evaluation
28.	Lucknow Zoological Park, Lucknow	Large Zoo	Sh. B. S. Bonaland Dr. B. K. Gupta	27.1.2010
29.	Deer Park, Narain Tewari Dewal (Almora Zoo) Uttarakhand	Mini Zoo	Sh. B. S. Bonal	03.2.2010
30.	Deer Park, Hissar	Mini Zoo	Dr. A. K. Malhotra	25.2.2010
31.	Mini Zoo, Pipli	Mini Zoo	Dr. A. K. Malhotra	26.2.2010
32.	Hanuman Vatika Rescue Centre	Rescue Centre	Dr. Paneer Selvam	05.3.2010
33.	Deer Park, Bir Talab, Punjab	Mini Zoo	Dr. A. K. Malhotra	15.3.2010
34.	Deer Park, Chittoor Reserve Forest	Mini Zoo	A. K. Jha	15.3.2010
35.	Deer Park, Kandaleru	Mini Zoo	A. K. Jha	16.3.2010
36.	Indira Gandhi Park Zoo, Rourkela, Orissa	Small Zoo	Sh. Bpul Chakraborty and Dr. L.N.Acharjyo	20.3.2010
37.	Mugger Breeding centre (Muta Zoo)	Mini Zoo	Dr. B. M. Arora	23.3.2010



## Annexure - III

## Zoos Renewed for Recognition during the year 2009-2010

S. No.	State Name	City Name	Establishment Name	Category	Recognition Date	Recognition Valid Up To
1	Assam	Bongaigaon	Bijni Deer Park	Mini Zoo	18/05/2009	31/03/2010
2	Kerala	Thrissur	State Museum & Zoo	Medium Zoo	19/05/2009	31/03/2010
3	Rajasthan	Jaipur	Jaipur Zoo	Medium Zoo	19/05/2009	31/03/2010
4	Rajasthan	Jodhpur	Jodhpur Zoo	Small Zoo	19/05/2009	31/03/2010
5	Rajasthan	Kota	Kota Zoo	Mini Zoo	19/05/2009	31/03/2010
6	Rajasthan	Udhipur	Udaipur Zoo	Small Zoo	19/05/2009	31/03/2010
7	Uttar Pradesh	Gorakhpur	Vinod Van Mini Zoo, Ramgarh	Mini Zoo	19/05/2009	31/03/2010
8	Gujarat	Vadodara	Sayaji Baug Zoo	Medium Zoo	20/05/2009	31/03/2010
9	Orissa	Cuttack	Municipality Deer Park	Mini Zoo	22/05/2009	31/03/2010
10	Andhra Pradesh	Sanghi Nagar	Sanghi Deer Park	Mini Zoo	25/05/2009	31/03/2010
11	Kerala	Malampuzha	Snake Park, Malampuzha	Mini Zoo	19/05/2009	31/03/2010
12	Kerala	Ernakulam	Hill Palace Zoo, Ernakulam	Mini Zoo	06/07/2009	31/03/2010
13	Delhi	Hauz khas (New)	A.N. Jha Deer Park, Hauz Khaz	Mini Zoo	19/05/2009	31/03/2010
14	Andhra Pradesh	Karimnagar	Karimnagar Deer Park	Mini Zoo	19/05/2009	31/03/2010
15	Andhra Pradesh	Chittoor	Deer Park, Tirumala Hills	Mini Zoo	06/07/2009	31/03/2010
16	Maharashtra	Wardha	People For Animals, Shelter	Rescue Center	04/03/2010	31/03/2011
17	Uttar Pradesh	Unnao	Nawabanj Deer Park	Mini Zoo	18/05/2009	30/06/2012
18	Punjab	Patiala	Deer Park, Bir Moti Bagh	Small Zoo	19/05/2009	30/06/2012
19	Punjab	Ludhiana	Deer Park, Neelon	Mini Zoo	19/05/2009	30/06/2012



S. No.	State Name	City Name	Establishment Name	Category	Recognition Date	Recognition Valid Up To
20	Punjab	Ludhiana	Ludhiana Zoo	Small Zoo	19/05/2009	30/06/2012
21	Gujarat	Rajkot	Rajkot Zoo	Mini Zoo	25/05/2009	31/03/2010
22	Jharkhand	Kalimati	Birsa Mrig Vihar	Mini Zoo	19/05/2009	30/06/2012
23	Uttar Pradesh	Kanpur	Kanpur Zoological Park	Medium Zoo	18/05/2009	30/06/2012
24	Madhya Pradesh	Indore	Kamla Nehru Prani Sangrahalaya Zoo	Small Zoo	02/09/2009	30/09/2012
25	Haryana	Pinjore	Vulture Conservation	Rescue Center	19/05/2009	30/06/2011
26	Punjab	Chhatbir	Mahendra Chaudhury Zoological Park	Medium Zoo	25/05/2009	30/06/2012
27	Gujarat	Junagarh	Sakkarbaug Zoo	Medium Zoo	10/09/2009	30/09/2012
28	Andhra Pradesh	Hyderabad	G.V.K. Industries Deer Park	Mini Zoo	03/03/2010	31/03/2013
29	Andhra Pradesh	Kakinada	Deer Park, NFCL Green Belt	Mini Zoo	08/09/2009	30/09/2012 30/09/2011
30	Uttarakhand	Dehradun	Malsi Deer Park (Dehradun)	Mini Zoo	14/09/2009	30/09/2010
31	West Bengal	Kolkata	Nature Park at Toratolia	Rescue Center	14/09/2009	30/09/2012
32	Andhra Pradesh	Warangal	Vanavigyan Kendra, Hunter	Small Zoo	10/09/2009	28/02/2011
33	Meghalaya	Akhongini Tura	Nehru Park Zoo,	Mini Zoo	25/02/2010	30/09/2012
34	Orissa	Sunabeda	H.A.L. Deer Park, Koraput	Mini Zoo	08/09/2009	30/09/2012
35	Orissa	Nayagarh	Kuanria Deer Park, Nayagarh	Mini Zoo	08/09/2009	30/09/2012
36	Mizoram	Aizwal	Aizawl Zoo (Mizoram Zoo)	Small Zoo	11/09/2009	30/09/2012
37	Orissa	Parlakhemundi	Taptapani Deer Park	Mini Zoo	08/09/2009	30/09/2012





S. No.	State Name	City Name	Establishment Name	Category	Recognition Date	Recognition Valid Up To
38	Maharashtra	Borivali	Sanjay Gandhi National Park	Mini Zoo	09/09/2009	30/09/2012
39	Orissa	Tikarpara	Gharial Research & Conservation Unit	Mini Zoo	08/09/2009	30/09/2012
40	Maharashtra	Kolhapur	Snake Park, Shikshan Mandal	Mini Zoo	10/09/2009	30/09/2010
41	Maharashtra	Solapur	Mahatma Gandhi Rashtriya Udyan Zoo	Small Zoo	15/09/2009	30/09/2012
42	Himachal Pradesh	Tutikandi	Rescue and Rehabilitation Home	Rescue Center	03/03/2010	31/03/2013
43	Nagaland	Dimapur	Nagaland Zoological Park	Mini Zoo	10/09/2009	30/09/2012
44	Orissa	Bhubaneshwar	Nandankanan Biological Park	Large Zoo	15/09/2009	30/09/2012
45	Uttar Pradesh	Varanasi	Sarnath Deer Park	Mini Zoo	04/03/2010	31/03/2013
46	Uttar Pradesh	Agra	Agra Bear Rescue Facility	Rescue Center	16/09/2009	30/09/2012
47	Jharkhand	Bokaro	Jawaharlal Nehru Biological Park	Small Zoo	25/02/2010	28/02/2013
48	Jharkhand	Jamshedpur	Tata Steel Zoological Park	Small Zoo	25/02/2010	28/02/2013
49	Arunachal Pradesh	Itanagar	Biological Park, Itanagar	Small Zoo	22/02/2010	28/02/2011
50	Tamilnadu	Thanjavur	Shivganga Garden Mini Zoo	Mini Zoo	04/03/2010	31/03/2011
51	Tamilnadu	Salem	Kurambapatti Zoological Park	Mini Zoo	25/02/2010	29/02/2012



## Annexure - IV

## List of Recognized Zoos in India

Type Name	State Name	Establishment Name	City Name	Total
Large Zoo	Andhra Pradesh	Nehru Zoological Park	Hyderabad	
	Assam	Assam State Zoo Cum Botanical Garden	Guwahati	
	Gujarat	Kamla Nehru Zoological Garden	Ahmedabad	
	Orissa	Nandankanan Biological Park	Bhubaneswar	
	Tamil Nadu	Arignar Anna Zoological Park Chennai	Vandalur	
<b>Large Zoo Total</b>				<b>5</b>
Medium Zoo	Andhra Pradesh	Indira Gandhi Zoological Park	Visakhapatnam	
		Sri Venkateswara Zoological Park	Tirupati	
	Bihar	Sanjay Gandhi Biological Park	Patna	
	Delhi	National Zoological Park	Delhi	
	Gujarat	Indroda Nature Park	Gandhi Nagar	
		Sakkarbaug Zoo	Junagarh	
	Karnataka	Sayaji Baug Zoo	Vadodara	
		Dr. K. Shivarma Karanth Piliikula Biological Park	Mangalore	
		Bannerghatta Zoological Garden	Bangalore	
	Kerala	Sri Chamarajendra Zoological Gardens	Mysore	
		State Museum & Zoo	Thrissur	



Type Name	State Name	Establishment Name	City Name	Total
		Thiruvananthapuram Zoo	Thiruvananthapuram	
	Maharashtra	Veermata Jijabai Bhosale Udyan & Zoo	Mumbai	
	Punjab	Mahendra Chaudhury Zoological Park	Chhatbir, Chandigarh	
	Rajasthan	Jaipur Zoo	Jaipur	
	Tamil Nadu	Childrens Corner	Guindy, Chennai	
	Tripura	Sepahijala Zoological Park	Sepahijala, Agartala	
	Uttar Pradesh	Kanpur Zoological Park	Kanpur	
		Lucknow Zoological Park	Lucknow	
	West Bengal	Alipore Zoological Garden	Kolkata	
		<b>Medium Zoo Total</b>		<b>20</b>
	Andhra Pradesh	Vanavigyan Kendra, Hunter Road, Hanamkonda,	Warangal	
	Arunachal Pradesh	Biological Park, Itanagar	Itanagar	
	Chhattisgarh	Kanan Pandari Zoo	Bilaspur	
		Maitri Baagh Zoo	Bhilai	
		Nandan Van Zoo	Raipur	
	Goa	Bondla Zoo	Usgao	
	Gujarat	Dr. Shyamaprasad Mukharjee Zoological Garden	Surat	
	Himachal Pradesh	Dhauladhar Nature Park	Gopalpur	
		Himalayan Nature Park	Kufri	
	Jharkhand	Bhagwan Birsa Biological Park	Ranchi	





Type Name	State Name	Establishment Name	City Name	Total
		Jawaharlal Nehru Biological Park	Bokaro	
		Tata Steel Zoological Park	Jamshedpur	
	Karnataka	Bellary Childrens Park-Cum-Zoo (Bellary Zoo)	Bellary	
		Children Park & Zoo (Gadag Zoo)	Gadag	
		Tiger & Lion Safari	Shimoga	
	Kerala	Parassinikkadavu Reptile Park	Kanur	
	Madhya Pradesh	Gandhi Zoological Park	Gwalior	
		Kamla Nehru Prani Sanghrahhalaya Zoo	Indore	
		Van Vihar National Park Zoo	Bhopal	
	Maharashtra	Aurangabad Municipal Zoo	Aurangabad	
		Maharajbag Zoo	Nagpur	
		Mahatma Gandhi Rashtriya Udyan Zoo	Solapur	
		Nisargakavi Bahinabai Choudhary Prani Sanghrahhalaya	Chinchiwad, Pune	
		Rajiv Gandhi Zoological Park and Wildlife Research Center	Pune	
	Manipur	Manipur Zoological Garden	Imphal	
	Mizoram	Aizwal Zoo (Mizoram Zoo)	Aizwal	
	Orissa	Indira Gandhi Park Zoo	Rourkela	
		Kapilash Zoo	Dhenkanal	
		Wild Animal Conservation Center	Mothijharan, Sambalpur	
	Punjab	Deer Park, Bir Moti Bagh (Patiala Zoo)	Patiala	
		Ludhiana Zoo	Ludhiana	



Type Name	State Name	Establishment Name	City Name	Total	
	Rajasthan	Bikaner Zoo	Bikaner		
		Jodhpur Zoo	Jodhpur		
		Udaipur Zoo	Udaipur		
	Tamil Nadu	Amirdhi Zoo	Amirdhi Zoo	Vellore	
		Chennai Snake Park Trust	Chennai Snake Park Trust	Guindy, Chennai	
		Madras Crocodile Bank Trust / Centre for Herpetology	Madras Crocodile Bank Trust / Centre for Herpetology	Mahabalipuram	
		V.O.C. Park Mini Zoo	V.O.C. Park Mini Zoo	Coimbatore	
	Uttarakhand	Pt. Govind Ballabh Pant High Altitude Zoo	Pt. Govind Ballabh Pant High Altitude Zoo	Nainital	
	West Bengal	Calcutta Snake Park	Calcutta Snake Park	Badu, Kolkata	
			Jhargram Zoo	Jhargram	
Marble Palace Zoo			Kolkata		
Padmaja Naidu Himalayan Zoological Park		Padmaja Naidu Himalayan Zoological Park	Darjeeling		
West Bengal Snake Park & Laboratory, Badu		West Bengal Snake Park & Laboratory, Badu	Badu, Kolkata		
<b>Small Zoo Total</b>				<b>44</b>	
<b>Mini Zoo</b>	Andaman & Nicobar Islands	Biological Park, Chidyatapu	Port Blair		
		Deer Park - Satyam Technology Centre	Ranga Reddy		
	Andhra Pradesh	Deer Park, Chittoor Reserve Forest	Chittoor (East) Division		
		Deer Park, Kandaleru	Kandaleru		
		Deer Park, Kesoram Cement	Basant Nagar		



Type Name	State Name	Establishment Name	City Name	Total
		Deer Park, NFCL Green Belt	Kakinada	
		Deer Park, Tirumala Hills	Chittoor	
		Deer Park, Jawahar Lake Tourist Complex	Shamirpet	
		G.V.K. Industires Deer Park	Hyderabad	
		Himayat Sagar Mini Zoo	Ranga Reddy	
		Karimnagar Deer Park	Karimnagar	
		Kinnerasari Deer Park	Kinnerasari	
		Pillalamarri Deer Park	Pillalamarri Complex, Mahabub Nagar	
		Sanghi Deer Park	Sanghi Nagar	
		Miao Mini Zoo	Miao	
		Mini Zoo, Roing	Roing	
		Bijini Deer Park	Bongaigaon	
		Lion Safari - Vasona	Vasona	
		A.N. Jha Deer Park, Hauz Khaz	Hauz khas (New Delhi)	
		Rajkot Zoo	Rajkot	
		Sir Peter Scott Nature Park	Jamnagar	
		Sundervan Nature Discovery Centre	Jodhpur Tekra (Ahmedabad)	
		Deer Park, Hissar	Hissar	
		Mini Zoo, Bhiwani	Bhiwani	
		Mini Zoo, Pipli	Pipli	
		Rohtak Zoo	Rohtak	





Type Name	State Name	Establishment Name	City Name	Total
	Himachal Pradesh	Renuke Mini Zoo	Sirmur	
		Rewalsar Mini Zoo	Mandi	
		Sarahan Phesanthy	Sarahan	
	Jammu & Kashmir	Jammu Zoo	Ramnagar (Jammu)	
		Kashmir Zoo	Srinagar	
	Jharkhand	Birsa Mirig Vihar	Kalimati	
		Mugger Breeding Centre (Muta Zoo)	Muta	
	Karnataka	Deer Park at Shri Kshetra Sogal, Soudatti	Belgaun	
		Deer Park, N.M.D.C. Ltd.	Donimalai	
		Indira Priyadarshini Sangrahalaya, Anagodu	Davangere Taluk	
		Kaiwara Tapowana Chintamani Talluk	Kolar	
		Kittur Rani Cannamma Nisarg Dhama Mini Zoo	Belgaum	
		Mini Zoo A. M. Gudi Balvana	Chitradurga	
		Mini Zoo at Gendekatte	Hassan	
		Mini Zoo Cum Children Park	Gulbarga	
		Namadachilume Deer Park	Tumkur	
		Tungabhadra Dam Mini Zoo	Bellary	
	Kerala	Hill Palace Zoo, Ernakulam	Ernakulam	
		Kodanadu Zoo	Kodanadu	
		Lion Safari Park at Nayyar Dam (Nayyar Mini Zoo)	Thiruvananthapuram	
		Snake Park, Malampuzha	Malampuzha	



Type Name	State Name	Establishment Name	City Name	Total
		Sri Lok Nayak Jaya Prakash Narayan Smrity Van Deer Park	Walyar	
	Maharashtra	Maharaja Shahaji Chhatrapati Zoo	Kolhapur	
		Sanjay Gandhi National Park and Zoo	Borivali	
		Snake Park, Shikshan Mandal	Kolhapur	
	Meghalaya	Lady Hydari Park Animal Land (Meghalaya Zoo)	Shillong	
		Nehru Park Zoo, Danakgre, Tura	Akhongini Tura	
	Mizoram	Deer Park, Thenzawl	Thenzawl	
	Nagaland	Nagaland Zoological Park, Rangapahar	Dimapur	
	Orissa	Deer Park, Berhampur Unit	Berhampur	
		Deer Park, Papadahandi	Nawarangpur	
		Gharial Research & Conservation Unit	Tikarpara	
		H.A.L. Deer Park, Koraput	Sunabeda	
		Harishankar Deer Park	Balangir	
		Kuanria Deer Park, Nayagarh Forest Division	Nayagarh	
		Municipality Deer Park	Cuttack	
		Taptapani Deer Park	Parlakhemundi	
	Punjab	Deer Park, Bir Talab	Bhatinda	
		Deer Park, Neelon	Ludhiana	
	Rajasthan	Deer Park, Shri Goverdhan Trust	Udaipur	
		Kota Zoo	Kota	
		Panchwati Deer Park	Pilani	
		Safari Park, Haridasji-Ki-Magri	Udaipur	



Type Name	State Name	Establishment Name	City Name	Total
	Sikkim	Himalayan Zoological Park, Bulbuley	Gangtok	
	Tamil Nadu	Kurumbapatti Zoological Park	Salem	
		Shivganga Garden Mini Zoo	Thanjavur	
		Tiruchirapalli Zoo, Tiruchirapalli	Tiruchirapalli	
	Uttar Pradesh	Deer Park, IFFCO Township, Anda	Bareilly	
		Nawabganj Deer Park	Unnao	
		Sarnath Deer Park	Varanasi	
		Van Prani Udyan, I.V.R.I.	Izatnagar, Bareilly	
		Vinod Van Mini Zoo, Ramgarh (Gorakhpur Zoological Park)	Gorakhpur	
	Uttarakhand	Deer Park, Narain Tewari Dewal (Almora Zoo)	Almora	
		Malsi Deer Park (Dehra Dun Biological Park)	Dehradun	
	West Bengal	Adina Deer Park	Malda	
		Gar Chumuk (Ulughata) Deer Park	Howrah	
		Kumari Kangsabuti Deer Park, Bonpakuria	Bonpakuria, Bankura	
		Kunjanagar Eco - Park	Jalpaiguri	
		Purulia Mini Zoo, Surulia	Purulia	
		Ramnabagan Mini Zoo	Burdwan	
		Rasikbeel Mini Zoo	Cochbihar	
		South Khairbari Leopard Safari and Rehabilitation Centre	Madarihat	
		<b>Mini Zoo Total</b>		<b>88</b>





Type Name	State Name	Establishment Name	City Name	Total
Rescue Center	Andhra Pradesh	Karuna Society for Animals and Nature - Rescue Centre	Dist. Anantapur	
		Visakha Society for Prevention of Cruelty of Animals - Rescue Centre	Visakhapatnam	
	Arunachal Pradesh	Centre for Bear Rehabilitation and Conservation	Pakke	
		Centre for Wildlife Rehabilitation and Conservation	Golaghat	
	Assam	Deer Park, Meham	Near G. T. Road, Meham	
		Hanuman Vatika - Rescue Centre	Gurgoan	
	Haryana	Vulture Conservation Breeding Center	Pinjore	
		Wildlife Rescue Centre	Gurgoan	
	Himachal Pradesh	Nehru Pheasantary	Manali	
		Rescue and Rehabilitation Home	Tutikandi	
	Karnataka	People for Animals - Rescue Centre	Bangalore	
		Wildlife Rescue & Rehabilitation Centre	Bangalore	
	Maharashtra	AMTE'S Animal Ark	Wardha	
		Leopard Rescue Centre	Manikdoh	
	Uttar Pradesh	People for Animals, Shelter House	Wardha	
		Agra Bear Rescue Facility	Agra	
	West Bengal	Nature Park at Toratola Road	Kolkata	
		Pugmarks - PFA Sanitketan Rescue Centre	Kolkata	
<b>Rescue Center Total</b>				<b>18</b>



Type Name	State Name	Establishment Name	City Name	Total
Circus	Assam	Moonlight Circus	Khelmati	
		Rhino Circus	Lakhimpur	
	Gujarat	Great Golden Circus	Ahmedabad	
		Amar Circus	Calicut	
	Kerala	Gemini Circus	Varam	
		Great Bombay Circus	Tillicherry	
		Great Rayman Circus	Cochin	
		Jamuna Circus	Raigarh	
		Jumbo Circus	Varam	
		Raj Kamal Circus	Dharmadam	
		Rambo Circus	Pune	
	Maharashtra	The Great Royal Circus	Namadic	
		Apollo Circus	Varanasi	
	Uttar Pradesh	Great Apollo Circus	Hamirpur	
		Rajmahal Circus	Hamirpur	
	West Bengal	Ajanta Circus	Kolkata	
		Asiad Circus	Kolkata	
		Empire Circus	Kolkata	
		Famous Circus	Kolkata	
		Kohinoor Circus	Kolkata	
		Natraj Circus	Kolkata	
		Olympic Circus	Kolkata	
		Weston Circus	Elliot	
<b>Circus Total</b>				<b>23</b>
<b>Grand Total</b>				<b>198</b>

**Annexure - V**

**List of the identified endangered wild animal species to be taken up for the Planned Coordinated Conservation Breeding giving details of the Coordinating and Participating Zoos with the number of animals of the species in captivity in India**

Sl. No.	Name of the Species	Name of the coordinating Zoo	Names of the participating Zoos	Number of animals of the species in captivity
1.	Asiatic lion ( <i>Panthera leo</i> )	Junagarh	Hyderabad, Bhopal, New Delhi, Rajkot	108
2.	Bengal tiger ( <i>Panthera tigris</i> )	Bhopal	New Delhi, Hyderabad, Bhubaneswar, Chhatbir, Chennai	293
3.	Snow leopard ( <i>Panthera uncia</i> )	Darjeeling	Leh, Kufri, Nainital, Gangtok	14
4.	Clouded leopard ( <i>Panthera nebulosa</i> )	Sepahijala	Guwahati	23
5.	Asiatic cheetah ( <i>Acinonyx jubatus venaticus</i> )	Junagarh		0
6.	Golden cat ( <i>Catopuma temmincki</i> )	Guwahati		2
7.	Tibetan wolf ( <i>Canis himalayensis</i> )	Darjeeling	Gangtok, Nainital, Kufri	23
8.	Grey wolf ( <i>Canis lupus</i> )	Junagarh		9
9.	Wild dog ( <i>Cuon alpinus</i> )	Visakhapatnam	Chennai	29
10.	Brown bear ( <i>Ursus arctos</i> )	Kufri	Leh	5
11.	Sun bear ( <i>Helarctos malayanus</i> )	Aizawl	Guwahati	6
12.	Red panda ( <i>Ailurus fulgens</i> )	Darjeeling	Gangtok, Yachuli	20
13.	Binturong ( <i>Arctictis binturong</i> )	Sepahijala	Guwahati, Aizawl	14
14.	Smooth coated otter ( <i>Lutrogale perspicillata</i> )	Ahmedabad		3
15.	Malabar giant squirrel ( <i>Ratufa indica</i> )	Pilikula	Chennai, Pune	1
16.	Indian Pangolin ( <i>Manis crassicaudata</i> )	Bhubaneswar	--	8





Sl. No.	Name of the Species	Name of the coordinating Zoo	Names of the participating Zoos	Number of animals of the species in captivity
17.	Lion tailed monkey ( <i>Macaca silenus</i> )	Chennai	Mysore, Trivandrum	69
18.	Pig-tailed monkey ( <i>Macaca nemestrina</i> )	Sepahijala	Guwahati	34
19.	Stump tailed monkey ( <i>Macaca radiate</i> )	Aizawl	Guwahati	50
20.	Phayre's leaf monkey ( <i>Trachypithecus phayrei</i> )	Sepahijala	--	14
21.	Crab eating monkey ( <i>Macaca fascicularis</i> )	Chidiyatapu (Port Blair)	--	11
22.	Nilgiri langur ( <i>Semnopithecus johnii</i> )	Chennai	Mysore	22
23.	Golden langur ( <i>Trachypithecus geei</i> )	Guwahati	Island near Guwahati	6
24.	Capped langur ( <i>Trachypithecus pileatus</i> )	Rangapahar	--	13
25.	Hoolock gibbon ( <i>Hoolock leuconedys</i> ),	Itanagar	Aizawl, Guwahati, Sepahijala	38
26.	Rhinoceros ( <i>Rhinocerosunicornis</i> )	Guwahati	Patna, New Delhi, Kanpur	30
27.	Indian bison ( <i>Bos gaurus</i> )	Mysore	Chennai, Bondla	62
28.	Wild buffalo ( <i>Buballus bubalis</i> )			1
29.	Wild ass ( <i>Equus hemionus khur</i> )	Junagarh	--	14
30.	Himalayan tahr ( <i>Hemitragus jemlahicus</i> )	Gangtok	Darjeeling, Kufri, Chopta	3
31.	Nilgiri tahr ( <i>Nilgiritragus hylocrius</i> )	Ooty	--	1
32.	Markhor ( <i>Capra falconeri</i> )	Pehalgaon	--	0
33.	Blue sheep ( <i>Pseudois nayaur</i> )	Gangtok	Darjeeling	0
34.	Serow ( <i>Nemorhaedus sumatraensis</i> )	Guwahati	Manipur	5
35.	Swamp deer ( <i>Cervus duvauceli</i> )	Lucknow	Jaldapara WLS	147
36.	Swamp deer ( <i>Hard surface-C.d. branderi</i> )	Bilaspur	--	0
37.	Thamin deer ( <i>Cervus eldii</i> )	Manipur	Guwahati, Kolkata, New Delhi	183



Sl. No.	Name of the Species	Name of the coordinating Zoo	Names of the participating Zoos	Number of animals of the species in captivity
38.	Mouse deer ( <i>Tragulus meminna</i> )	Hyderabad	Bhubaneswar	9
39.	Musk deer ( <i>Moschus chrysogaster</i> )	Chopta	Gulmarg, Gangtok, Kufri	1
40.	Hangul ( <i>Cervus elaphus hanglu</i> )	Shikargah	--	0
41.	Chiru ( <i>Pantholops hodgsonii</i> )	Leh	--	0
42.	Chinkara ( <i>Gazella bennettii</i> )	Meham	Junagarh, Gandhi Nagar, Chhatbir	148
43.	Chosinga ( <i>Tetracerus quadricornis</i> )	Junagarh	Tirupati, Ranchi	121
44.	Pygmy hog ( <i>Sus salvanius</i> )	Basistha	Guwahati	112
45.	Hispid hare ( <i>Caprolagus hispidus</i> )	Basistha	Guwahati	4
46.	Giant squirrel ( <i>Ratufa indica</i> )	Ranchi	--	31
47.	Gangetic Dolphin ( <i>Platanista gangetica gangetica</i> )	Patna		0
48.	Himalayan monal ( <i>Lophophorus impejanus</i> )	Manali	Darjeeling, Gangtok	23
49.	Blood pheasant ( <i>Ithaginis cruentus</i> )	Gangtok	Darjeeling	0
50.	Cheer pheasant ( <i>Catreus wallichi</i> )	Chail	Almora	22
51.	Hume's pheasant ( <i>Syrmaticus humiae humaie</i> )	Aizawl	--	33
52.	Grey Peacock phesant ( <i>Polyplectron bicalcaratum</i> )	Guwahati	Kolkata, Darjeeling	54
53.	Sclater's ( <i>mishmi</i> ) monal ( <i>Lophophorus sclateri sclateri</i> )	Yachuli	--	0
54.	Tibetan eared pheasant ( <i>Crossoptilon harmani</i> )	Yachuli	--	0
55.	Temminck tragopan ( <i>Tragopan temminckii</i> )	Yachuli	--	0
56.	Blyth's tragopan ( <i>Tragopan blythii</i> )	Kohima	--	12
57.	Western tragopan ( <i>Tragopan melanocephalus</i> )	Sarahan	--	23
58.	Styr tragopan ( <i>Tragopansatyra</i> )	Darjeeling	Gangtok	6
59.	Grey jungle fowl ( <i>Gallus sonnerati</i> )	Tirupati	--	52



Sl. No.	Name of the Species	Name of the coordinating Zoo	Names of the participating Zoos	Number of animals of the species in captivity
60.	Red jungle fowl ( <i>Gallus gallus gallus</i> )	Morni	Chail, New Delhi, Aizawl	240
61.	Malabar grey hornbill ( <i>Ocyceros griseus</i> )	Kodanadu (Kerala)	Hyderabad	0
62.	Malabar pied hornbill ( <i>Anthraceros coronatus</i> )	Kodanadu (Kerala)	Hyderabad	0
63.	Long billed Vulture ( <i>Gyps indicus</i> )	Pinjore	Hyderabad, Bhopal, Junagarh, Bhubaneswar, Rajabhatkhawa, Guwahati	93
64.	Slender billed vulture ( <i>Gyps tenuirostris</i> )	Pinjore	Hyderabad, Bhopal, Junagarh, Bhubaneswar, Rajabhatkhawa, Guwahati	15
65.	White backed vulture ( <i>Gyps bengalensis</i> )	Pinjore	Hyderabad, Bhopal, Junagarh, Bhubaneswar, Rajabhatkhawa, Guwahati	67
66.	Falcons ( <i>peregrine</i> )	Chhatbir	Jaipur	0
67.	Bustards ( <i>Great Indian bustard, Lesser florican, Bengal florican, Hubara bustard</i> )	---	---	0
68.	Nicobar pigeon ( <i>Caloenas nicobarica</i> )	Chidiyatapu, Port Blair	Ahmedabad, Kolkata	20
69.	King cobra ( <i>Ophiophagus Hannah</i> )	Pilikula	Bangalore, Mamallapuram	36
70.	Water monitor ( <i>Varanus salvator</i> )	Chidiyatapu, Port Blair	Mamallapuram	38
71.	Painted roof turtle ( <i>Kachuga kachuga</i> )	Kukrail	Mamallapuram	2
72.	Himalayan salamander ( <i>Tyletrotiton verrucosus</i> )	Darjeeling	---	9





## Annexure - VI

## Birth of Endangered Species during 2009-10

Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
Bird	Andhra Pradesh	Nehru Zoological Park	Hyderabad	Fowl Jungle Grey	1	2	0	3
				Peafowl	10	10	0	20
	Gujarat	Sri Venkateswara Zoological Park	Tirupati	Fowl Jungle Grey	7	3	0	10
				Peafowl	0	0	4	4
		Kamla Nehru Zoological Garden	Ahmedabad	Peafowl	0	0	2	2
				Peafowl White	0	0	1	1
				Pigeon Nicobar	0	0	3	3
				Spoonbill White	0	0	2	2
				Pheasant Monal / Impeyan	0	0	3	3
				Peafowl White	0	0	2	2
Haryana	Vulture Conservation Breeding Center	Pinzore	Spoonbill White	0	0	3	3	
			Vulture White Backed - Bengal	0	0	3	3	
			Vulture Long Billed	0	0	3	3	
Himachal Pradesh	Himalayan Nature Park	Kufri	Vulture Slender billed	0	0	3	3	
			Pheasant Cheer	0	5	0	5	
Karnataka	Saraha Phesantry	Mysore	Tragopan Western	2	0	0	2	
			Tragopan Satyr / Crimson	0	0	3	3	
Manipur	Bellary Childrens Park-Cum-zoo (bellary Zoo)	Bellary	Peafowl	2	0	0	2	
			Pheasant Kalij	0	2	0	2	
Mizoram	Aizawl Zoo (Mizoram Zoo)	Aizawl	Pheasant Humes Bar-backed	0	3	0	3	
			Peafowl	0	1	0	1	
Uttar Pradesh	Kanpur Zoological Park	Kanpur	Pheasant Kalij	0	0	2	2	



Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
West Bengal		Lucknow Zoological Park	Lucknow	Pheasant Kalij	0	0	2	2
		Marble Palace Zoo	Kolkata	Peafowl	1	2	0	3
		Padmaja Naidu Himalayan Zoological Park	Darjeeling	Pheasant Kalij	0	0	8	8
				Pheasant Monal / Impeyan	0	0	2	2
				Pheasant Grey Peacock	0	0	3	3
Uttarakhand		Rasikbeel Mini Zoo	Cochbihar	Peafowl	1	2	0	3
		Pt. Govind Ballabh Pant High Altitude Zoo	Nainital	Pheasant Kalij	3	2	0	5
<b>Bird Total</b>					<b>27</b>	<b>32</b>	<b>49</b>	<b>108</b>
Mammal	Andhra Pradesh	Indira Gandhi Zoological Park	Visakhapatnam	Tiger Bengal	0	0	3	3
				Leopard ( Panther)	0	0	2	2
		Nehru Zoological Park	Hyderabad	Bear Sloth	1	1	0	2
				Deer Mouse	0	2	0	2
				Deer Swamp ( Barasingha )	0	1	0	1
				Jackal	0	0	2	2
				Deer Brow-antlered (Sangai)	0	1	0	1
				Black Buck ( Krishna Mrig)	4	8	0	12
		Sri Venkateswara Zoological Park	Tirupati	Jackal	0	0	2	2
				Black Buck ( Krishna Mrig)	3	3	0	6
				Antelope Four Horned (Chowsingha)	0	0	7	7
		Arunachal Pradesh		Biological Park, Itanagar	Itanagar	Gibbon Hoolock	0	0
				Macaque Rhesus	0	0	3	3
Assam		Assam State Zoo Cum Botanical Garden	Guwahati	Cat Leopard	0	0	11	11
				Black Buck ( Krishna Mrig)	0	0	4	4
Bihar		Sanjay Gandhi Biological Park	Patna	Deer Swamp ( Barasingha )	0	2	0	2
				Jackal	0	0	1	1
				Rhinoceros Indian One Horned	0	1	0	1



Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex Total
Chhattisgarh		Kanan Pandari Zoo	Bilaspur	Deer Brow-antlered (Sangai)	1	0	1
				Black Buck ( Krishna Mrig)	2	2	4
				Jackal	0	1	1
				Antelope Four Horned (Chowsingha)	2	0	2
				Macaque Rhesus	0	1	1
				Langur Common	0	1	1
Nandan Van Zoo			Raipur	Macaque Rhesus	0	0	2
				Antelope Four Horned (Chowsingha)	1	0	1
				Civet Common Palm - Cat Toddy	0	0	3
				Lion Indian	2	1	3
National Zoological Park	Delhi			Deer Brow-antlered (Sangai)	0	0	13
				Black Buck ( Krishna Mrig)	7	7	2
				Gaur (Indian Bison)	1	0	1
				Black Buck ( Krishna Mrig)	2	0	2
				Gaur (Indian Bison)	1	0	1
Goa		Bondla Zoo	Usgao	Black Buck ( Krishna Mrig)	2	0	2
				Gaur (Indian Bison)	1	0	1
Gujarat		Indroda Nature Park	Gandhi Nagar	Gazelle Indian (Chinkara)	2	0	2
				Black Buck ( Krishna Mrig)	2	0	2
				Jackal	0	0	3
				Macaque Rhesus	0	0	2
Kamla Nehru Zoological Garden			Ahmedabad	Porcupine Bengal	0	0	5
				Ass Wiid Indian	0	1	0
				Deer Swamp ( Barasingha )	0	0	1
				Lion Indian	2	4	0
				Gazelle Indian (Chinkara)	5	2	1
Sakkarbaug Zoo			Junagarh	Black Buck ( Krishna Mrig)	0	0	1
				Antelope Four Horned (Chowsingha)	1	4	0





Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
		Sayaji Baug Zoo	Vadodara	Bear Himalayan Black	1	0	0	1
				Macaque Pig Tailed	0	0	1	1
		Dr. Shyamaprasad Mukharjee Zoological Garden	Surat	Otter Common	1	2	0	3
				Black Buck ( Krishna Mrig)	1	0	0	1
		Rajkot Zoo	Rajkot	Lion Indian	2	2	0	4
Haryana		Deer Park, Hissar	Hissar	Black Buck ( Krishna Mrig)	0	0	4	4
		Rohtak Zoo	Rohtak	Black Buck ( Krishna Mrig)	1	0	0	1
Jharkhand		Bhagwan Birsa Biological Park	Ranchi	Black Buck ( Krishna Mrig)	0	0	5	5
		Jawaharlal Nehru Biological Park	Bokaro	Black Buck ( Krishna Mrig)	0	2	0	2
				Leopard ( Panther)	1	1	0	2
		Tata Steel Zoological Park	Jamshedpur	Macaque Rhesus	0	0	1	1
				Black Buck ( Krishna Mrig)	1	0	2	3
Karnataka		Deer Park, N.M.D.C. Ltd.	Donimalai	Black Buck ( Krishna Mrig)	4	9	0	13
		Bannerghatta Zoological Garden	Bangalore	Elephant Indian	1	0	0	1
				Tiger Bengal	2	0	0	2
				Gazelle Indian (Chinkara)	1	0	0	1
				Black Buck ( Krishna Mrig)	1	0	0	1
				Gaur (Indian Bison)	0	1	0	1
		Sri Chamarajendra Zoological Gardens	Mysore	Squirrel Giant Malabar / Indian	0	1	0	1
				Gazelle Indian (Chinkara)	1	0	0	1
				Deer Brow-antlered (Sangai)	2	1	0	3
				Black Buck ( Krishna Mrig)	0	1	0	1
				Antelope Four Horned (Chowsingha)	0	2	0	2
				Gaur (Indian Bison)	6	4	0	10
		Tungabhadra Dam Mini Zoo	Bellary	Black Buck ( Krishna Mrig)	1	2	0	3
		Dr. K. Shivarma Karanth Pillilkula Biological Park	Mangalore	Deer Mouse	0	0	1	1
				Tiger Bengal	1	0	0	1



Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
		Tiger & Lion Safari	Shimoga	Tiger Bengal	2	1	0	3
		Bellary Childrens Park-Cum-Zoo (Bellary Zoo)	Bellary	Leopard ( Panther)	1	0	0	1
		Children Park & Zoo (Gadag Zoo)	Gadag	Black Buck ( Krishna Mrig)	4	0	0	4
		Deer Park at Shri Kshetra Sogal, Soudatti	Belgaun	Black Buck ( Krishna Mrig)	0	0	3	3
		State Museum & Zoo	Thrissur	Black Buck ( Krishna Mrig)	2	0	0	2
	Kerala	Thiruvananthapuram Zoo	Thiruvananthapuram	Tiger Bengal	1	0	0	1
		Gandhi Zoological Park	Gwalior	Bear Sloth	0	0	1	1
	Madhya Pradesh	Kamla Nehru Prani Sanghrahhalaya Zoo	Indore	Black Buck ( Krishna Mrig)	2	2	0	4
		Aurangabad Municipal Zoo	Aurangabad	Jackal	0	0	2	2
	Maharashtra	Veeramata Jijabai Bhosale Udyan & Zoo	Mumbai	Gazelle Indian (Chinkara)	0	1	0	1
		Rajiv Gandhi Zoological Park and Wildlife Research Center	Pune	Black Buck ( Krishna Mrig)	0	0	15	15
		Mahatma Gandhi Rashtriya Udyan Zoo	Solapur	Tiger Bengal	1	4	0	5
	Manipur	Manipur Zoological Garden	Imphal	Black Buck ( Krishna Mrig)	2	4	0	6
	Mizoram	Aizawl Zoo (Mizoram Zoo)	Aizawl	Macaque Rhesus	1	0	0	1
	Orissa	Nandankanan Biological Park	Bhubaneswar	Jackal	2	2	0	4
				Black Buck ( Krishna Mrig)	4	0	0	4
				Antelope Four Horned (Chowsingha)	4	2	0	6
				Macaque Rhesus	0	0	1	1
				Black Buck ( Krishna Mrig)	0	0	20	20
				Deer Brow-antlered (Sangal)	0	3	0	3
				Macaque Rhesus	0	2	0	2
				Deer Swamp ( Barasingha )	0	0	3	3
				Pangolin	0	0	2	2
				Tiger Bengal	0	1	1	2
				Tiger Bengal ( White )	0	1	2	3



Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
				Leopard ( Panther)	0	0	2	2
		Wild Animal Conservation Center	Mothjharan, Sambalpur	Macaque Rhesus	0	0	1	1
Punjab		Mahendra Chaudhury Zoological Park	Chhatbir, Chandigarh	Deer Swamp ( Barasingha )	0	0	2	2
				Gazelle Indian ( Chinkara)	0	0	6	6
				Black Buck ( Krishna Mrig)	0	0	8	8
				Antelope Four Horned (Chowsingha)	0	0	1	1
		Ludhiana Zoo	Ludhiana	Black Buck ( Krishna Mrig)	3	0	0	3
		Deer Park, Bir Moti Bagh ( Patiala Zoo)	Patiala	Black Buck ( Krishna Mrig)	3	13	4	20
Rajasthan		Jodhpur Zoo	Jodhpur	Black Buck ( Krishna Mrig)	0	0	3	3
		Kota Zoo	Kota	Black Buck ( Krishna Mrig)	0	0	2	2
		Udaipur Zoo	Udaipur	Jackal	0	0	3	3
				Antelope Four Horned (Chowsingha)	0	0	2	2
Sikkim		Himalayan Zoological Park, Bulbuley	Gangtok	Panda Red / Lesser	1	1	0	2
Tamil Nadu		Arignar Anna Zoological Park	Vandalur, Chennai	Bear Sloth	3	1	0	4
				Langur Nilgiri	0	0	1	1
				Macaque Lion-tailed	0	0	2	2
		V.O.C. Park Mini Zoo	Coimbatore	Civet Common Palm - Cat Toddy	3	1	0	4
Tripura		Sepahijala Zoological Park	Sepahijala, Agartala	Cat Leopard	0	0	6	6
				Leopard Clouded	0	0	4	4
Uttar Pradesh		Kanpur Zoological Park	Kanpur	Deer Swamp ( Barasingha )	0	0	6	6
				Jackal	0	0	2	2
				Deer Brow-antlered (Sangai)	0	0	7	7
				Black Buck ( Krishna Mrig)	0	0	16	16
		Lucknow Zoological Park	Lucknow	Deer Swamp ( Barasingha )	0	0	8	8





Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
				Gazelle Indian (Chinkara)	0	0	3	3
				Black Buck ( Krishna Mrig)	0	0	3	3
				Leopard ( Panther)	0	0	2	2
		Van Prani Udyan, I.V.R.I.	Izatnagar, Bareilly	Black Buck ( Krishna Mrig)	0	0	2	2
		Deer Park, IFFCO Township, Anda	Bareilly	Black Buck ( Krishna Mrig)	0	0	1	1
	West Bengal	Alipore Zoological Garden	Kolkata	Langur Common	0	0	1	1
				Gazelle Indian (Chinkara)	0	0	1	1
				Deer Brow-antlered (Sangai)	0	0	2	2
		Padmaja Naidu Himalayan Zoological Park	Darjeeling	Leopard Snow	0	3	1	4
				Langur Common	0	0	2	2
					<b>106</b>	<b>113</b>	<b>237</b>	<b>456</b>
<b>Mammal Total</b>								
<b>Reptile</b>	Delhi	National Zoological Park	Delhi	Monitor Lizard / Common Indian	0	0	11	11
	Gujarat	Indroda Nature Park	Gandhi Nagar	Crocodile Marsh ( Mugger )	0	0	25	25
	Haryana	Mini Zoo, Bhiwani	Bhiwani	Crocodile Marsh ( Mugger )	0	0	7	7
	Karnataka	Dr. K. Shivarma Karanith Piliikula Biological Park	Mangalore	Cobra Indian	0	0	28	28
				Python Indian - Rock	0	0	24	24
				Snake Rat / Dhaman	0	0	20	20
				Turtle Indian Black	0	0	2	2
	Kerala	Snake Park, Malampuzha	Malampuzha	Viper Russells	0	0	1	1
	Madhya Pradesh	Gandhi Zoological Park	Gwalior	Crocodile Long Snouted (Gharial)	0	0	60	60
	Maharashtra	Rajiv Gandhi Zoological Park and Wildlife Research Center	Pune	Cobra Indian	0	0	15	15
				Python Indian - Rock	1	0	0	1
				Viper Russells	0	0	50	50
	Orissa	Nandankanan Biological Park	Bhubaneswar	Monitor Water Lizard	0	0	2	2
				Turtle Fresh Water /Indian Soft-Shelled	0	0	17	17



Species Name	State Name	Zoo Name	Location	Animal Name	Male	Female	Unsex	Total
				Crocodile Long Shouted (Gharial)	0	0	10	10
	Tamil Nadu	Madras Crocodile Bank Trust / Centre for Herpetology	Mahabalipuram	Python Indian - Rock	0	0	12	12
				Crocodile Long Shouted (Gharial)	0	0	60	60
				Turtle Crowned River/Roof	0	0	30	30
	Uttar Pradesh	Lucknow Zoological Park	Lucknow	Turtle Indian Roofed	0	0	2	2
	West Bengal	Calcutta Snake Park	Badu, Kolkata	Crocodile Marsh ( Muggger )	0	0	21	21
				Crocodile Marsh ( Muggger )	0	0	5	5
<b>Reptile Total</b>					<b>1</b>	<b>0</b>	<b>402</b>	<b>403</b>
<b>Grand Total</b>					<b>134</b>	<b>145</b>	<b>688</b>	<b>967</b>



Annexure - VII

**Studbooks of Endangered species being prepared and maintained in the Central Zoo Authority**

1. Asiatic lion (*Panthera leo*)
2. Binturong (*Arctictis binturong*)
3. Himalayan (Asiatic) brown bear (*Ursus arctos*)
4. Chinkara (*Gazella bennetti bennetti*)
5. Clouded leopard (*Panthera nebulosa*)
6. Golden langur (*Trachypithecus geei*)
7. Grey wolf (*Canis lupus pallipes*)
8. Hume's pheasant (*Syrnaticus humiae humaie*)
9. Indian Pangolin (*Lepus nigricollis*)
10. Lion-tailed Macaque (*Macaca silenus*)
11. Long-billed vulture (*Gyps indicus*)
12. Malayan Sun bear (*Helacrtos malayanus*)
13. Nicobar Pigeon (*Caloenas nicobarica*)
14. Pig -tailed Macaque (*Macaca nemestrina*)
15. Red panda (*Ailurus fulgens fulgens*)
16. Serow (*Nemorhaedus sumatraensis*)
17. Smooth coated otter (*Luthra luthra*)
18. Spectacled leaf monkey (*Trachypithecus phayrei*)
19. Swamp deer (*Cervus duvauceli*)
20. Tibetan wolf (*Canis lupus laniger*)
21. Water monitor lizard (*Varanus salvator*)
22. White backed vulture (*Gyps bengalensis*)
23. Wild dog (*Cuon alpinus*)
24. Cheer pheasant (*Catreus wallichi*)
25. Chousinga or Four Horned Antelope (*Tetracerus quadricornis*)
26. Golden cat (*Pardofelis temminckii*)





27. Bhutan Grey peacock pheasant (*Polyplectron bicalcaratum*)
28. Himalayan monal (*Lophophorus impeyanus*)
29. Hoolock gibbon (*Hoolock leuconedys*)
30. Indian gaur (Bison) (*Bos gaurus*)
31. King cobra (*Ophiophagus Hannah*)
32. Malabar giant squirrel (*Ratufa indica*)
33. Mouse deer (*Tragulus meminna*)
34. Nilgiri langur (*Semnopithecus johnii*)
35. Red junglefowl (*Gallus gallus gallus*)
36. Rhinoceros One horned (*Rhinoceros unicornis*)
37. Slender-billed Vulture (*Gyps tenuirostris*)
38. Snow leopard (*Panthera uncia uncia*)
39. Stump-tailed (*Macaca arctoides*)
40. Manipur brow antlered deer (*Cervus eldi eldi*)
41. Bengal tiger (*Panthera tigris*)
42. Western tragopan (*Tragopan melanocephalus*)
43. Wild ass (*Equus hemionus khur*)
44. Himalayan tahr (*Hemitragus jemlahicus*)

**Annexure - VIII****List of Zoos Who's Master Plan Received**

S. No.	Name of the Zoo
1.	Chennai Snake Park, Chennai
2.	Maitri Baug Zoo, Bhilai
3.	Kuanria Deer Park, Nayagarh
4.	Bhagwan Birsa Munda Biological Park, Ranchi
5.	Vishakha Society for Prevention of Cruelty to Animals Rescue Centre, Marikavalasa (Visakhapatnam), Andhra Pradesh
6.	Jawaharlal Nehru Biological Park, Bokaro, Jharkhand
7.	Kanan Pendari Zoological Garden, Bilaspur
8.	Jhargram Zoo, Jhargram
9.	Sarnath Deer Park, Sarnath, Varanasi
10.	Deer Park, NFCL, Kakinada, Andhra Pradesh
11.	Van Vigyan Kendra, Warangal, Andhra Pradesh
12.	Karuna Society for Animals and Nature, Beedupalli, Rayalaseema, Andhra Pradesh
13.	Kurumbapatti Zoological Park, Salem, Tamil Nadu
14.	Arignar Anna Zoological Park, Vandalur, Chennai Tamil Nadu
15.	Trichy Zoo, Tiruchirapalli, Tamil Nadu
16.	Children's Corner, Guindy, Tamil Nadu
17.	Amirthi Zoo, Amirthi, Tamil Nadu
18.	Zoological Garden, Alipore, Kolkata, West Bengal
19.	Rasikbeel Mini Zoo, Rasikbeel, West Bengal
20.	Kapilash Zoo, Kapilash, Orissa
21.	Shivganga Garden Mini Zoo, Thanjavur, Tamil Nadu
22.	Sepahijala Zoological Park, Sepahijala, Tripura
23.	Indira Gandhi Zoological Park, Visakhapatnam



S.No.	Name of the Zoo
24.	Amte's Animal Ark, Hemalkasa, Distt. Gadchiroli
25.	Deer Park, Chittoor, Andhra Pradesh
26.	Garchumuk Mini Zoo, Ulughata, Howrah, West Bengal
27.	Lucknow Zoological Park, Garden, Uttar Pradesh
28.	Kamla Nehru Zoological Garden, Kankaria, Ahmedabad
29.	People for Animals Rescue Centre, Bangalore
30.	Safari Park, Haridasji ki Magri, Udaipur
31.	Snake Park, Malampuzha, Kerala
32.	Sri Lok Nayak Jaya Prakash Narayan Smrithy Van Deer Park, Walayar, Kerala
33.	Pillamarri Deer Park, Mahabubnagar
34.	Tata Steel Zoological Park, Jamshedpur
35.	Deer Park at J. L. T. C. Shamirpet, R. R. Distt., Andhra Pradesh
36.	V. J. B. Udyan-Zoo, Byculla, Mumbai
37.	Namadachilume Deer Park, Tumkur
38.	Calcutta Snake Park, Badu, West Bengal
39.	Taptapani Deer Park, Distt. Ganjam, Orissa
40.	Manipur Zoological Garden, Imphal
41.	Nawabganj Deer Park, Unnao, Uttar Pradesh
42.	Deer Park, Berhampur University, Berhampur
43.	Nagaland Zoological Park, Rangapahar
44.	Gandhi Zoological Park, Gwalior
45.	Madras Crocodile Bank Trust, Mamallapuram
46.	Sanjay Gandhi Biological Park, Patna
47.	Kamla Nerhu Prani Sangrahalaya, Indore
48.	Sri Venkateswara Zoological Park, Tirupati
49.	Agra Bear Rescue Centre Facility, Keetham, Agar
50.	Tungabhadra Mini Zoo, Tungabhadra Dam, Distt. Bellary
51.	Deer Park at GVK Power Plant, Jegurupadu
52.	Leopard Rescue Centre, Manikdoh, Junnar, Maharashtra





S. No.	Name of the Zoo
53.	Sri Chamarajendra Zoological Gardens, Mysore
54.	Deer Park, Kandaleru, Nellore
55.	Himayath Sagar Mini Zoo, R. R. District
56.	Nisargakavi Bahinabai Choudhary Prani Sangrahalaya at Pimpri Chinchwad
57.	Pugmarks Santiniketan Rescue Centre, Santiniketan, (Birbhum), West Bengal
58.	Wildlife Rescue Centre, Gopalpur, Khera (Distt. Gurgaon), Haryana
59.	Indira Gandhi Zoo & Deer Park, Rourkela, Orissa
60.	Ramnabagan Mini Zoo, Burdwan
61.	Nehru Pheasantry, Manali
62.	Aizawl Zoological Park, Aizawl, Mizoram
63.	Nehru Zoological Park, Hyderabad
64.	Bondla Zoo, Bondla, Goa
65.	Mahatma Gandhi Udyan-Zoo, Solap
66.	Harishankar Deer Park, Bolangir, Orissa
67.	Nilgiri Mini Zoo & Breeding Center, Udhamandlam, Tamil Nadu
68.	Rewalsar Zoo, Rewalsar
69.	Sundervan Nature Discovery Centre, Jodhpur Tekra, Ahmedabad
70.	Wild Animal Conservation Centre, Motijharan, Sambalpur
71.	Deer Park, Satyam Technology, R. R. Distt., Andhra Pradesh
72.	Panchwati Deer Park, Pilani, Rajasthan
73.	Deer Park, Gandekatte, Hassan
74.	Biological Park, Itanagar
75.	Nandan Van Mini Zoo, Raipur
76.	Thenzawl Deer Park, Thenzawl, Mizoram
77.	Hill Palace– Mini Zoo, Ernakulam, Kerala
78.	Indira Priyadarshini Prani Sangrahalaya, Anagodu, Davanagere, Karnataka
79.	Udaipur Zoo, Udaipur



S. No.	Name of the Zoo
80.	Bikaner Zoo, Bikaner, Rajasthan
81.	Surulia Mini Zoo, Purulia, West Bengal
82.	Kota Zoo, Kota, Rajasthan
83.	Gharial Research and Conservation Unti, Tikarpada, Distt. Angul
84.	Jodhpur Zoo, Jodhpur
85.	Tiger & Lion Safari, Thyavarekoppa, Shimoga
86.	Deer Park, Kesoram Cement, Basanth Nagar, Distt. Karimnagar
87.	Rajiv Gandhi Zoological Park & Wildlife Research Centre, Pune
88.	Sanghi Mini Zoo (Deer Park), Sanghi Nagar
89.	Karimnagar Deer Park, Karimnagar
90.	Deer Park, Papadahandi, Orissa
91.	Kumari Kangsaboti Deer Park, Bankura
92.	Deer Park, IFFCO Township
93.	Bharat Ratan Pt. G. B. Pant High Altitude Zoo, Nainital
94.	Mini Zoo, Patiala
95.	Mini Zoo, Bir Talab, Bhatinda
96.	M. C. Zoological Park, Chhatbir
97.	Kittur Rani Channama Nisargadham, Bhutaramanhatti Mini Zoo, Belgaum
98.	Rohtak Zoo, Rohtak
99.	Mini Zoo, Bhiwani
100.	Mini Zoo, Pipli
101.	Kanpur Zoological Park, Kanpur
102.	Bannerghatta Biological Park, Bangalore
103.	South Khairabari Leopard Safari and Rehabilitation Centre, South Khairabari
104.	Himalayan Zoological Park, Bulbulay
105.	Indroda Nature Park, Gandhinagar
106.	Rajkot Zoo, Rajkot
107.	Kinnerasani Deer Park at Kinnerasani
108.	Thiruvananthapuram Zoo, Thiruvananthapuram



S. No.	Name of the Zoo
109.	Lion Safari, Vasona
110.	Pilikula Biological Park, Mangalore
111.	Sayajibaug Zoo, Ajwa, Gujarat
112.	Nandankanan Biological Park, Bhubaneswar
113.	Deer Park at Donimalai, Bellary Distt
114.	State Zoo at Imtrew, Meghalaya (relocation of Lady Hydari Park Mini Zoo, Shillong)
115.	Snake Park, Shetkari Shiksan Mandal, Distt. Kolhapur, Maharashtra
116.	Children's Park cum Mini Zoo at Bellary to Bilikal R. F. Near Kamalapur (Hospet Taluk)
117.	Children's Park cum Mini Zoo-cum-Children Park, Gulbarga, Karnataka
118.	Center for Wildlife Rehabilitation and Conservation (CWRC), Borjuri, Assam
119.	Center for Bear Rehabilitation and Conservation (CBRC), Pakke
120.	Gorewada Zoo (Proposal for new zoo)
121.	Van Vihar National Park, Bhopal
122.	Wildlife Rescue and Rehabilitation Center, Bangalore
123.	Himalayan Nature Park, Kufri, Himachal Pradesh
124.	Dr. Shyamaprasad Mukerjee Zoological Garden, Surat, Gujarat,
125.	Aurangabad Municipal Zoo, Aurangabad
126.	Jaipur Zoo, Jaipur





Annexure - IX

**List of Zoos who's Master (Layout) Plan are Approved**

1. Kuanria Deer Park, Nayagarh, Orissa
2. Thenzawl Deer Park, Thenzawl, Mizoram
3. Aizawl Zoo, Aizawl, Mizoram
4. Sundervan Nature Discovery Centre, Ahmedabad, Gujarat
5. Wildlife Rescue Centre, Gopalpur, Haryana
6. Arignar Anna Zoological Park, Vandalur, Chennai, Tamil Nadu
7. Agra Bear Rescue Facility, Keethan, Agra, Uttar Pradesh
8. Zoological Garden, Alipore, Kolkata, West Bengal
9. Mahatma Gandhi Udyan Zoo, Solapur, Maharashtra
10. Nisargakavi Bahinabai Chaudhary Prani Sangrahalaya, Pimpri Chinchwad, Maharashtra
11. Veermata Jijabhai Bhosle Udyan Zoo, Byculla, Mumbai, Maharashtra
12. Leopard Rescue Centre at Manikdoh, Distt. Junnar, Maharashtra
13. Udaipur Zoo, Udaipur, Rajasthan
14. Bhagwan Birsa Biological Park, Ranchi, Jharkhand
15. Chennai Snake Park Trust, Chennai
16. Bondla Zoo, Bondla, Goa
17. Amirthi Zoo, Amirthi
18. Bannerghatta Biological Park, Bangalore, Karnataka
19. Tungabhadra Mini Zoo, Distt. Bellary, Karnataka
20. Pillarmarri Deer Park, Mahaboob Nagar, Andhra Pradesh
21. Deer Park, Chittoor, Andhra Pradesh
22. Tata Steel Zoological Park, Jamshedpur
23. Children Park, Guindy, Tamil Nadu
24. Kurumbapatti Zoo, Tamil Nadu
25. Kapilash Zoo, Dhenkanal, Orissa
26. Kamla Nehru Zoological Garden, Ahmedabad, Gujarat



27. Madras Crocodile Bank Trust, Mamallapuram, Tamil Nadu
28. Jodhpur Zoo, Jodhpur, Rajasthan
29. Sepahijala Zoological Park, Sepahijala, Tripura
30. Indroda Nature Park, Gandhinagar, Gujarat
31. Safari Park, Haridas-ji-ki-Magri, Udaipur, Rajasthan
32. Gandhi Zoological Park, Gwalior, Madhya Pradesh
33. Centre for Bear Rehabilitation and Conservation, Pakke, Arunachal Pradesh
34. Centre for Wildlife Rehabilitation and Conservation, Borjuri, Assam



## Annexure - X

## Detail of the ongoing Research projects funded by the Central Zoo Authority

S. No.	Name of the project	Purpose	Cost Proposed	Duration of the project	Commencement of the project (MoU signed)	Status
	<b>National Projects</b>					
1	Creation of National Referral Centre for diagnosis of wild animals - IVRI, Bareilly diseases affecting captive	To provide service and advice to Indian zoos related to healthcare issues	Rs. 30.36 lakhs	One time grant Long-term project	18.9.2007	Ongoing
2	Use of Biotechnological Intervention for Conservation of Endangered Species of animals - LaCONES, Hyderabad	To analyse heterozygosity of zoo animals, create frozen bank and to develop techniques for assisted reproduction for zoo animals	Rs. 100.34 lakhs (Rs. 20.57 lakhs/ per year)	5 years	26.3.2007	Ongoing
3	Developing guidelines on principles of Zoo Designing for Zoos in India - School of Planning and Architecture, New Delhi	Developing guidelines on principles of Zoo Designing for Zoos in India	Rs. 23.14 lakhs	1 and 1/2 year	22.3.2006	Ongoing
4	Maintenance of stud/herd book for endangered species in Indian Zoo-Wildlife Institute of India, Dehradun	Maintenance of stud/ herd book for endangered species in Indian Zoo	Rs. 22.20 lakhs	5 years	4.10.06	Ongoing
5	Studies on housing and enclosure enrichment of some species in selected Indian zoos-Wildlife Institute of India	To provide guidelines to zoos on housing and enclosure enrichment	Rs. 38.72	3 years	To be started	Ongoing





S. No.	Name of the project	Purpose	Cost Proposed	Duration of the project	Commence-ment of the project (MoU signed)	Status
6	Standardization of animal diet in captive conditions- IVRI, Bareilly	To develop guideline for animal diet in captive conditions	Rs. 34.92 lakhs	2 years	20.8.2007	Ongoing
	<b>Small Grant studies</b>					
7	Reproductive biology, breeding behavior & enrichment needs of the wild dog in captivity & observation on growth and cub development Indira Gandhi Zoological Park, Visakhapatnam	To study the animals behaviour and prepare husbandry guidelines	Rs. 3.64 lakhs	2 year	4.4.2006	Ongoing
8	Research project on Ecto & endo parasites of zoo animals and birds - Nandankanan Zoological Park, Bhubaneswar	To prepare guideline for detection and treatment for Ecto & endo parasites of zoo animals and birds	Rs. 6.00 lakhs	3 years	20.2.2007	Ongoing
9	Status of upkeep, breeding and conservation status of exotic animals in Indian zoos - Indian zoos association	To assess the status of exotic animals in Indian zoos	Rs. 7.0 lakh	10 months	To be started	Not started
10	Project proposal for Conservation Breeding of Brow Antlered Deer at National level in Indian Zoos-Zoological Garden, Alipore	To prepare conservation management breeding plan for thamin deer	Rs. 8.85 lakhs	2 years	27.7.2006	Ongoing



S. No.	Name of the project	Purpose	Cost Proposed	Duration of the project	Commence-ment of the project (MoU signed)	Status
11	Research proposal for Population control measures of prolifically breeding animals-Arignar Anna Zoological Park, Vandalur, Chennai	To suggest measure for controlling for prolific species in zoos	Rs. 6.75 lakhs	3 years	2.3.2007	Ongoing
12	Behavioral study on Clouded leopard-Sepahijala Zoo, Agartala, Tripura	To developed husbandry guidelines for the clouded leopard in the zoo	Rs. 3.86 lakhs	2 years	15.4. 2008	Ongoing
13	Conservation breeding of Indian pangolin in Nandankanan Zoological Park, Bhubaneswar-Nandankanan Zoological Park, Bhubaneswar	To developed husbandry guidelines for the Indian pangolin in the zoos	Rs. 10.75 lakh	3 year	3.2.2009	Ongoing
14	Conservation breeding of Lion tailed macaque-Arignar Anna Zoological Park	Conservation breeding of Lion tailed macaque in Arignar Anna zoo, Trivananthapuram zoo, and Mysore zoo	Rs. 7.53 lakh + Rs. 1.51 lakh	3 year	29.1.2004	Ongoing
15	Standard protocol for maintaining live food for captive animals-Sri Chamarajendra Zoological Park, Mysore	To prepare protocol for maintaining live food (insects) for captive animals	Rs. 2.00 lakh	2 year	16.9.2009	Ongoing
16	To study snow leopard-Padmaja Naidu Himalayan Zoological Park, Darjeeling	To prepare guideline for the conservation breeding of snow leopard in captivity	Rs. 3.52 lakh	2 year	20 <sup>th</sup> Marth, 2010	Ongoing

**Annexure - XI****Details of the Grants released to the different Zoos and related organizations**

		2009-2010	AMOUNT
<b>ADINA DEER PARK</b>		Malda	
1	Preparation of master plan		40000
		<b>Total:</b>	<b>40000</b>
<b>AIZAWL ZOO (MIZORAM ZOO)</b>		Aizwal	
2	Purchase of Computer of use in ARKs software		50000
3	Construction of Kaleej Pheasant encl		1000000
4	Nocturnal Animal House		3000000
5	To Cover The Drains inside the Zoo		350000
6	For procuring of Vet.Equipment		200000
7	Const. of R.C.C. Water Tank		250000
8	Brick wall Fencing		600000
9	Const of quarantine Area		5400000
10	Construction of Boundary Wall		300000
11	Const of Retaining Wall		337000
12	Education And Awareness		600000
13	Providing signages in animal enclosure		975000
14	Const of Rhesus Macaque encl		2300000
15	Postmortem Room		300000
16	Preparation of master plan		140000
		<b>Total:</b>	<b>15802000</b>
<b>ALIPORE ZOOLOGICAL GARDEN</b>		Kolkata	
17	Transport Charges of Elephants		142000
18	Reptile House.		4423000
19	Crocodile Gharial enclosure		4958000
20	Purchase of computer for use in ARKs software		50000





21	Preparation of master plan	160000
<b>Total:</b> _____		9733000

**AMIRDHI ZOO**Vellore

22	Preparation of master plan	40000
<b>Total:</b> _____		40000

**ARIGNAR ANNA ZOOLOGICAL PARK**Vandalur, Chennai

23	Maintenance of the Rescue centre	8000000
24	Construction of Gaur enclosure	4720000
25	Housing for Sloth Bear	4330000
26	Construction of Tiger Enclosure	4660000
27	Annual maintenance Rescue Centre	202000
<b>Total:</b> _____		21912000

**ASSAM STATE ZOO CUM BOTANICAL GARDEN**Guwahati

28	Preparation of master plan	160000
29	Transport Charges of Elephants	35000
30	For Clouded leopard enclosure	773000
31	Relaying roads & Footh path	372000
32	Encls Enrichment	200000
33	Const. of Squeeze Cage	240000
<b>Total:</b> _____		1780000

**AURANGABAD MUNICIPAL ZOO**Aurangabad

34	Preparation of master plan	80000
<b>Total:</b> _____		80000

**BHAGWAN BIRSA BIOLOGICAL PARK**Ranchi

35	Preparation of master plan	120000
<b>Total:</b> _____		120000

**BIOLOGICAL PARK, ITANAGAR**Itanagar

36	Setting up of conservation breeding centre of hoolock gibbon	5067000
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**Total:** \_\_\_\_\_ 5067000

**CHENNAI SNAKE PARK TRUST**Guindy, Chennai

37	Barrires of Visitors	723000
38	Education & Intereption	1780000

**Total:** \_\_\_\_\_ 2503000

**DEER PARK, THENZAWL**Thenzawl

39	Preparation of master plan	100000
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**Total:** \_\_\_\_\_ 100000

**DR. K.SHIVARMA KARANTH PILILKULA**Mangalore**BIOLOGICAL**

40	Purchase of computer for use in ARKs software	50000
41	Conservation breeding encl. for King cobra	1000000

**Total:** \_\_\_\_\_ 1050000

**HIMALAYAN ZOOLOGICAL PARK, BULBULEY**Gangtok

42	Procurement of camera	183000
43	Xerox Machine	80000
44	Purchase of computer for use in ARKs software	50000
45	Preparation of master plan	40000

**Total:** \_\_\_\_\_ 353000

**INDIRA GANDHI ZOOLOGICAL PARK**Visakhapatnam

46	Maintenance of the Rescue centre	4000000
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**Total:** \_\_\_\_\_ 4000000


**JAWAHARLAL NEHRU BIOLOGICAL PARK** Bokaro

47	Purchase of computer for use in ARKs software	50000
48	Preparation of master plan	80000

**Total:** \_\_\_\_\_ 130000

**KAMLA NEHRU ZOOLOGICAL GARDEN** Ahmedabad

49	Purchase of computer for use in ARKs software	50000
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**Total:** \_\_\_\_\_ 50000

**KANPUR ZOOLOGICAL PARK** Kanpur

50	Preparation of master plan	160000
51	Purchase of computer for use in ARKs software	50000

**Total:** \_\_\_\_\_ 210000

**KURUMBAPATTI ZOOLOGICAL PARK** Salem

52	Security Fencing	2685000
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**Total:** \_\_\_\_\_ 2685000

**LUCKNOW ZOOLOGICAL PARK** Lucknow

53	Preparation of master plan	160000
54	Purchase of computer for use in ARKs software	50000

**Total:** \_\_\_\_\_ 210000

**LUDHIANA ZOO** Ludhiana

55	Preparation of master plan	80000
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**Total:** \_\_\_\_\_ 80000

**MADRAS CROCODILE BANK TRUST/  
CENTRE FOR** Mahabalipuram

56	Purchase of computer for use in ARKs software	50000
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**Total:** \_\_\_\_\_ 50000



**MAHATMA GANDHI RASHTRIYA UDYAN ZOO** Solapur

57	Construction of Leopard Enclosure	3230000
58	Construction of Enclosure for Deer	3342000
59	Providing signages in animal enclosure	1553000
60	Construction of Veterinary Hospital	5060000
61	Construction of Lion Enclosure	4684000

**Total:** \_\_\_\_\_ 17869000

**MAHENDRA CHAUDHURY ZOOLOGICAL PARK** Chhatbir, Chandigarh

62	Purchase of computer for use in ARKs software	50000
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**Total:** \_\_\_\_\_ 50000

**MANIPUR ZOOLOGICAL GARDEN** Imphal

63	Setting up of conservation breeding centre	2498000
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**Total:** \_\_\_\_\_ 2498000

**MIAO MINI ZOO** Miao

64	Preparation of master plan	40000
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**Total:** \_\_\_\_\_ 40000

**MINI ZOO, ROING** Roing

65	Preparation of master plan	40000
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**Total:** \_\_\_\_\_ 40000

**NAHARGARH BIOLOGICAL PARK** Jaipur

66	Maintenance of the Rescue centre	7800000
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**Total:** \_\_\_\_\_ 7800000

**NANDANKANAN BIOLOGICAL PARK** Bhubaneshwar

67	Construction of Hornbill Enclosure	2000000
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**Total:** \_\_\_\_\_ 2000000

**NEHRU ZOOLOGICAL PARK**

Hyderabad

68	Purchase of computer for use in ARKs software	50000
69	Conservation breeding encl. for mouse deer	1800000
70	Const. of Compound Wall	3750000

**Total:** 5600000**NISARGAKAVI BAHINABAI CHOUDHARY**

Chinchiwad, Pune

71	Preparation of master plan	60000
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**Total:** 60000**PADMAJA NAIDU HIMALAYAN ZOOLOGICAL PARK**

Darjeeling

72	Record keeping in zoos (Small Grant fellowship)	183000
73	Study on snow leopard	176000
74	Purchase of computer for use in ARKs software	50000

**Total:** 409000**PT. GOVIND BALLABH PANT HIGH ALTITUDE Zoo**

Nainital

75	Const. of Tibetan wolf.	1062000
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**Total:** 1062000**RAJIV GANDHI ZOOLOGICAL PARK AND WILDLIFE**

Pune

76	Guidlines for upkeep of reptiles	185000
77	Purchase of computer for use in ARKs software	50000

**Total:** 235000**RAJKOT ZOO**

Rajkot

78	Preparation of master plan	80000
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**Total:** 80000

**RAMNABAGAN MINI ZOO**Burdwan

79	Preparation of master plan	40000
<b>Total:</b>		40000

**RESCUE CENTRE, BANNERGHATTA**Bangalore

80	Annual maintenance of Rescue Centre	350000
81	Maintenance of the Rescue centre	9200000
<b>Total:</b>		9550000

**SARNATH DEER PARK**Varanasi

82	Preparation of master plan	40000
<b>Total:</b>		40000

**SEPAHIJALA ZOOLOGICAL PARK**Sepahijala, Agartala

83	Purchase of computer for use in ARKs software	50000
84	Security Fencing	461000
85	Security Fencing	3423000
86	Incinerator Installation	111000
<b>Total:</b>		4045000

**SHIVGANGA GARDEN MINI ZOO**Thanjavur

87	Preparation of master plan	40000
<b>Total:</b>		40000

**SOUTH KHAIRBARI LEOPARD SAFARI AND  
REHABILITATION RESCUE CENTER**Madarihat

88	Maintenance of the Rescue centre	3100000
<b>Total:</b>		3100000

**SRI CHAMARAJENDRA ZOOLOGICAL  
GARDENS**Mysore

89	For Hyena Enclosure	1015000
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90	Goral Encls	1060000
91	Const. of Compund Wall	1555000
92	Encls Enrichment	400000
93	Improvement To The Research & Devp. Division	100000

**Total:** \_\_\_\_\_ 4130000

**SRI VENKATESWARA ZOOLOGICAL PARK** Tirupati

94	Conservation breeding encl. for Grey jungle fowl	3000000
95	Maintenance of the Rescue centre	7900000

**Total:** \_\_\_\_\_ 10900000

**TATA STEEL ZOOLOGICAL PARK** Jamshedpur

96	Preparation of master plan	50000
97	Purchase of computer for use in ARKs software	50000
98	Preparation of master plan	90000

**Total:** \_\_\_\_\_ 190000

**TIGER & LION SAFARI** Shimoga

99	Preparation of master plan	80000
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**Total:** \_\_\_\_\_ 80000

**UDAIPUR ZOO** Udaipur

100	Preparation of master plan	40000
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**Total:** \_\_\_\_\_ 40000

**VAN PRANI UDYAN, I.V.R.I.** Izatnagar, Bareilly

101	Purchase of computer for use in ARKs software	50000
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**Total:** \_\_\_\_\_ 50000

**VA VIHAR NATIONAL PARK ZOO** Bhopal

102	Maintenance of the Rescue centre	2500000
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103	Security Fencing	3064000
104	Renovation of Power supply	2500000

**Total:** 8064000

**Grand Total:** 144007000

**Annexure - XII****FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**Name of Entity **CENTRAL ZOO AUTHORITY****BALANCE SHEET AS AT 31.3.2010**

(Amount In Rupees)			
<b>CORPUS/CAPITAL FUND AND LIABILITIES</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
Corpus/Capital Fund	1	5,716,344	37,88,952
Reserves and Surplus	2	Nil	Nil
Earmarked/Endowment Funds	3	Nil	Nil
Secured Loans and Borrowings	4	Nil	Nil
Unsecured Loans and Borrowings	5	Nil	Nil
Deferred Credit Liabilities	6	Nil	Nil
Current Liabilities and Provisions	7	30,741	9,64,603
<b>TOTAL ASSETS</b>		<b>5,747,085</b>	<b>47,53,555</b>
Fixed Assets	8	1,451,847	1,564,453
Investments- From Earmarked/Endowment Funds	9	Nil	Nil
Investments-Others	10	Nil	Nil
Current Assets, Loans, advances Etc.	11	4,295,238	3,189,102
Miscellaneous Expenditure(to the extent not written off or adjusted)		Nil	
<b>TOTAL</b>		<b>5,747,085</b>	<b>4,753,555</b>
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		





**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
Name of Entity **CENTRAL ZOO AUTHORITY**  
**INCOME & EXPENDITURE ACCOUNT**  
**FOR THE YEAR ENDED ON 31.3.2010**

<b>INCOME</b>			
	<i>Schedule</i>	<i>Current Year</i>	<i>Previous Year</i>
Income from Sales/Services	12	Nil	Nil
Grants/Subsidies	13	17,50,00,000	175,000,000
Fees/Subscriptions	14	1,50,400	22,200
Income from Investments (Income on Investment	15	Nil	Nil
From Earmarked/Endow.) Funds transferred to Funds		Nil	Nil
Income from Royalty, publication etc.	16	Nil	Nil
Interest Earned	17	Nil	Nil
Other Income	18	4,665	10,176
<b>TOTAL (A)</b>		<b>17,51,55,065</b>	<b>17,50,32,376</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	69,19,800	66,33,711
Other Administrative Expenses etc.	21	1,88,67,478	2,47,10,346
Expenditure on Grants, Subsidies etc.	22	14,73,00,061	14,27,13,391
Interest	23	Nil	
Depreciation (Net Total at the year-end-Schedule 8)	8	2,68,348	3,06,897
<b>TOTAL (B)</b>		<b>17,33,55,687</b>	<b>17,43,64,345</b>
Excess of Income over Expenditure (A-B)		17,99,378	6,68,031
Transfer to Special Reserve (Specify each)		Nil	Nil
Transfer to/from General Reserve		Nil	Nil
Balance Being Surplus Carried to Corpus/ Capital Fund		17,99,378	6,68,031
Balance Being Deficit Carried to Corpus/ Capital Fund		Nil	Nil
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		



**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
Name of Entity **CENTRAL ZOO AUTHORITY**  
ENDED 31.3.2010

RECEIPTS	Amount In Rupees		PAYMENTS	PREVIOUS YEAR	CURRENT YEAR	PREVIOUS YEAR
	CURRENT YEAR	PREVIOUS YEAR				
<b>I. Opening Balances</b>						61,16,624
(a) Cash in Hand			<b>1. Expenses</b>		78,53,830	
			(a) Establishment Expenses (corresponding to Schedule 20)			1,00,89,294
Imprest		15000	(b) Administrative Expenses (corresponding to Schedule 21)		72,32,456	
(b) Bank Balances						
i) In current accounts	2815914	1387535				
ii) In deposit accounts	NIL	NIL				
iii) Savings accounts	NIL	NIL				
<b>II. Grants Received</b>			<b>II. Payments made against funds for various projects</b>			
(a) From Government of India	175,000,000	175,000,000	(Name of the fund or project should be shown along with the particulars of payments made for each project)			
(b) From State Government	NIL	NIL				

Contd./.....





RECEIPTS	Amount In Rupees		PAYMENTS	PREVIOUS YEAR	CURRENT YEAR
	CURRENT YEAR	PREVIOUS YEAR			
(c) From other sources (details)	Nil	Nil	i) Grants-in-aid to Zoos	14,27,13,391	14,73,00,061
(Grants for capital & revenue exp. To be shown separately)			ii) Monitoring & Evaluation of Zoos	6,11,811	6,07,457
			iii) Research Projects	48,29,105	49,72,026
			iv) Training, Workshop Conference	88,05,831	59,83,151
			v) Education & Awareness	Nil	Nil
			vi) Exgratia payment to closed mobile zoos	Nil	Nil
			vii) Transportation of Animals		76,700
<b>III. Income on Investments from</b>			<b>III. Investments &amp; deposit made</b>		
(a) Earmarked/Endow Funds	Nil	Nil	(a) Out of Earmarked/Endowment funds	Nil	Nil
(b) Own Funds (Oth. Investment)	Nil	Nil	(b) Out of own funds (Investments-Others)	Nil	Nil
<b>IV. Interest Received</b>			<b>IV. Expenditure on fixed Assets &amp; capital work-in-progress</b>		

Contd./.....





RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	Amount In Rupees	
				CURRENT YEAR	PREVIOUS YEAR
(a) On bank deposits			(a) Purchase of fixed assets	1,55,742	2,23,353
(b) Loans, Advances etc.			(b) Expenditure on capital work-in-progress	Nil	NIL
<b>V. Other Income (Specify)</b>			<b>V. Refund of surplus money/ loans</b>		
Fees received from Zoos with Application of Recognition	150400	22200	(a) to the Government of India	Nil	NIL
Fees received from Application under RTI	4595	2570	(b) to the State Government	Nil	NIL
			(c) to other providers of funds	Nil	NIL
<b>VI. Amount Borrowed</b>			<b>VI. Finance Charges (Interest)</b>		
<b>VII. Any other receipts (give details)</b>			<b>VII Other Payments (Specify)</b>		
(a) Misc. Receipts	70	7606	(a) Payment of TDS	3,17,072	2,39,842
(i) Unspent balance of Advance refunded by CPWD	Nil	Nil	(b) Security Deposit (Released)	NIL	NIL
(b) Interest on Scooter Adv.	Nil	Nil	(c) Amount adjustable (By other deptt.)	Nil	NIL

Contd./.....



RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	Amount In Rupees	
				CURRENT YEAR	PREVIOUS YEAR
(c) Security deposit					
(d) Recovery of Advances	99997	33712	(d) Staff advances	9,34,700	2,54,600
(e) Recovery of TDS	317072	239842	(e) Payment to other Depatt, (Recoveries from pay bills)	5,74,016	5,26,780
(f) Staff car recovery	4480	6300	(f) Bank Charges	Nil	Nil
(g) License fee	Nil	NIL			
(h) Recovery from pay bills, adjustable by other Departments	574016	526780			
(i) Sale proceed of assets	Nil	NIL			
(j) GIA refunded					
(k) Leave salary and pension contribution received back	nil	NIL	<b>VIII. Closing Balances</b>		
			(a) Cash in Hand		
			Imprest	15,000	15,000
			(b) Bank Balances		
			(i) In current accounts	29,59,333	28,15,914

Contd./.....



RECEIPTS	Amount In Rupees		PAYMENTS	PREVIOUS YEAR	CURRENT YEAR
	CURRENT YEAR	PREVIOUS YEAR			
			(ii) In deposit accounts		Nil
			(iii) Savings accounts		Nil
<b>TOTAL</b>	<b>178981544</b>	<b>177241545</b>			<b>17,89,81,544</b>
					<b>17,72,41,545</b>



**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**Name of Entity **CENTRAL ZOO AUTHORITY****SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2010****SCHEDULE 1 - CORPUS/CAPITAL FUND**

	Current Year	Previous Year
<b>SCHEDULE 1 - CORPUS/CAPITAL FUND:</b>		
Balance as at the beginning of the year	37,88,952	31,20,921
Add: Contributions towards Corpus/CZA Fund	Nil	
Add: Balance of net income Transferred from the Income and Expenditure Account	17,99,378	6,68,031
Deduct: Balance of net expenditure	Nil	Nil
Transferred from the Income and Expenditure Account		
<b>BALANCE AS AT THE YEAR - END</b>	<b>55,88,330</b>	<b>37,88,952</b>



**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2010**  
**SCHEDULE 7 -CURRENT LIABILITIES AND PROVISIONS**

	Current Year	Previous Year
<b>A.. CURRENT LIABILITIES</b>		
1. Acceptances	Nil	Nil
2. Sundry Creditors:		
a) For Good	Nil	Nil
b) Others	Nil	Nil
3. Advances Received	Nil	Nil
4. Interest accrued but not due on:		
a) Secured Loans/borrowings	Nil	Nil
b) Unsecured Loans / Borrowings	Nil	Nil
5. Other current Liabilities		
(i) Gr.-In-Aid refundable to Ministry	Nil	Nil
(ii) Unspent grants-in-aid refundable to Ministry	Nil	Nil
(iii) Security refundable	20,000	20,000
<b>TOTAL (A)</b>	<b>20,000</b>	<b>20,000</b>
<b>B. PROVISIONS</b>		
1. For Taxation	Nil	Nil
2. Gratuity	Nil	Nil
3. Superannuation/Pension		
(i) Contribution to superannuation scheme	Nil	Nil
4. Accumulated Leave Encashment	Nil	Nil
5. Trade Warranties/Claims	Nil	Nil
6. Others (Specify)		
Telephone Charges Payable	10,741	10,573
Leave salary & Pension Contribution		9,34,030
Audit Fees Payable	Nil	Nil
<b>TOTAL (B)</b>		<b>9,44,603</b>
<b>TOTAL (A+B)</b>	<b>30,741</b>	<b>9,64,603</b>



**NAME OF ENTITY : CENTRAL ZOO AUTHORITY**  
**SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2010**

**Schedule 8- Fixed Assets**

DESCRIPTION	GROSS BLOCK				DEPRECIATION				NET BLOCK		Amounts in Rs.		
	Cost / value at the beginning of the year (a)	Additions during the year (b)		Deductions during the year (c)	Cost/value at the year end (d)	Depre- cation Rate % (e)	On assests beginning of the year (f)	On additions during the year (g)		Total Up to the year-end (i)		As at the end of current year (d - f - g)	As at the end of previous year
		04/09-09/09	10/09-03/10					04/09-09/09	10/09-03/10				
Vehicle	1,24,181				1,24,181	15%	18,627			18,627	1,05,554	1,24,181	
Furniture, Fixtures	10,47,465	15,023			10,62,488	10%	1,04,747	1,502		1,06,249	9,56,239	10,47,465	
Office equipment	3,28,665	59,650	24,990		4,13,305	15%	49,300	8,948	1,874	60,122	3,53,183	3,28,665	
Computer/peripherals	58,662		8,520		67,182	60%	35,197		2,556	37,753	29,429	58,662	
Library Books	5,480	32,675	14,884		53,039	100%	5,480	32,675	7,442	45,597	7,442	5,480	
<b>TOTAL FOR THE CURRENT YEAR</b>	<b>15,64,453</b>	<b>1,55,742</b>			<b>17,20,195</b>		<b>2,13,351</b>	<b>43,125</b>	<b>11,872</b>	<b>2,68,348</b>	<b>151,137</b>	<b>15,64,453</b>	
<b>PREVIOUS YEAR</b>	<b>17,85,289</b>	<b>2,23,353</b>		<b>1,37,292</b>	<b>18,71,350</b>		<b>258,021</b>		<b>24,648</b>	<b>3,06,897</b>	<b>15,64,453</b>	<b>17,85,289</b>	





**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2010**  
**SCHEDULE 11 -CURRENT ASSETS, LOANS, ADVANCES ETC.**

A. CURRENT ASSETS:	(Amount in Rs.)	
	Current Year	Previous Year
1. Inventories:		
a) Stores and Spares	Nil	Nil
b) Loose Tools	Nil	Nil
c) Stock-in-trade	Nil	Nil
Finished Goods	Nil	Nil
Work-in-progress	Nil	Nil
Raw Materials	Nil	Nil
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding 6 months	Nil	Nil
b) Others	Nil	Nil
3. Cash balances in hand (including cheques/drafts and imprest)		
Cash- In - Hand	Nil	Nil
Imprest	15,000	15,000
4. Bank Balances:		
a) With Scheduled Banks:		
- On Current Accounts	29,59,333	28,15,914
- On Deposit Accounts (includes margin money)	Nil	Nil
- On Savings Accounts	Nil	Nil
b) With non-Schedules Banks:		
-On Current Accounts	Nil	Nil
- On Deposit Accounts	Nil	Nil
- On Savings Accounts	Nil	Nil
5. Post Office-Savings Accounts	Nil	Nil
<b>TOTAL (A)</b>	<b>29,74,333</b>	<b>28,30,914</b>



**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2010**  
**SCHEDULE 11 -CURRENT ASSETS, LOANS, ADVANCES ETC.(Contd.)**

	(Amount in Rs.)	
	Current Year	Previous Year
<b>B. LOANS, ADVANCES AND OTHER ASSETS:</b>		
1. Loans:		
a) Staff	11,84,891	3,50,188
b) Other Entities engaged in activities/ objectives similar to that of the Entity	Nil	Nil
c) Other (specify)	Nil	Nil
2. Advances and other amounts recoverable in cash or for value to be received		
a) On Capital Account	Nil	Nil
b) Prepayments		
Expenses Reimbursable by MOEF	1,28,014	Nil
Advance Payment to CPWD/supplier		
c) Others		
Petrol Account	5,000	5,000
Telephone Account	3,000	3,000
3. Income Accrued:		
a) On Investments from Earmarked/ Endowment funds	Nil	Nil
b) On Investments- Others	Nil	Nil
c) On Loans and Advances	Nil	Nil
d) Others (includes income due unrealized - Rs.....)	Nil	Nil
4. Claims Receivable	Nil	Nil
<b>TOTAL (B)</b>	<b>13,20,905</b>	<b>3,58,188</b>
<b>TOTAL (A + B)</b>	<b>42,95,238</b>	<b>31,89,102</b>



**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**Name of Entity *CENTRAL ZOO AUTHORITY***  
**SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT**  
**FOR THE PERIOD/YEAR ENDED 31.03.2010**  
**SCHEDULE 13 - GRANTS/SUBSIDIES**

(Irrevocable Grants & Subsidies Received)	Current Year	Previous Year
1. Central Government	17,50,00,000	17,50,00,000
2. State Government(s)	Nil	Nil
3. Government Agencies	Nil	Nil
4. Institutions/Welfare Bodies	Nil	Nil
5. International Organisations	Nil	Nil
6. Others (Specify)	Nil	Nil
<b>Total</b>	<b>17,50,00,000</b>	<b>17,50,00,000</b>
<b>Unspent balance of last year</b>	<b>Nil</b>	<b>Nil</b>
<b>TOTAL</b>	<b>17,50,00,000</b>	<b>17,50,00,000</b>





**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**Name of Entity CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART INCOME & EXPENDITURE**  
**FOR THE PERIOD/YEAR ENDED 31.03.2010**  
**SCHEDULE 14 - FEES/SUBSCRIPTIONS**

	Current Year	Previous Year
1. Entrance Fees	Nil	Nil
2. Annual Fees/Subscriptions	Nil	Nil
3. Seminar/Program fees	Nil	Nil
4. Consultancy Fees	Nil	Nil
5. Others (Specify)	Nil	Nil
Received from Zoos with application for Recognition/ Renewal	1,50,400	22,200
<b>TOTAL</b>	<b>1,50,400</b>	<b>22,200</b>



**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**Name of Entity CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART INCOME & EXPENDITURE**  
**FOR THE PERIOD/YEAR ENDED 31.03.2010**  
**SCHEDULE 18 - OTHER INCOME**

	Current Year	Previous Year
1. Profit on Sale/disposal of Assets :		
a) Owned Assets	Nil	Nil
b) Assets acquired out of grants, or received free of cost	Nil	Nil
2. Export Incentives realized	Nil	Nil
3. Fees for Miscellaneous Services (RTI)	4,595	2,570
4. Miscellaneous Income	70	7,606
<b>Total</b>	<b>4,665</b>	<b>10,176</b>

**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**Name of Entity **CENTRAL ZOO AUTHORITY****SCHEDULES FORMING PART OF INCOME & EXPENDITURE**

FOR THE PERIOD/YEAR ENDED 31.3.2010

**SCHEDULE 20 - ESTABLISHMENT EXPENSES**

	Current Year	Previous Year
a) Salaries and Wages	65,97,953	54,56,014
b) Allowances and Bonus	27,632	35,528
c) Contribution to Provident Fund	Nil	Nil
d) Contribution to Other Fund (specify)	Nil	
Superannuation Scheme	Nil	1,70,447
e) Staff Welfare Expenses	3,31,557	3,10,020
f) Expenses on Employees' Retirement	Nil	Nil
& Terminal Benefits	Nil	
g) Others (specify)	(-) 37,342	
Leave Salary & Pension Contributions	Nil	661,702
<b>TOTAL</b>	<b>69,19,800</b>	<b>66,33,711</b>



**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**Name of Entity **CENTRAL ZOO AUTHORITY****SCHEDULES FORMING PART OF INCOME & EXPENDITURE**

FOR THE PERIOD / YEAR ENDED 31.03.2010

**21- OTHER ADMINISTRATIVE EXPENSES ETC.**

	Current Year	Previous Year
a. Purchases (Stationary)	158,349	256,002
b. Conveyance and Cartage	106,566	151,117
c. Repairs and maintenance	96,343	168,135
d Vehicles Running Expenses	179,680	270,968
e. Vehicals Maintenance	76,284	77,679
f. Postage, Telephone and Communication Charges (Provision of Rs. 10,573)	510,604	1,367,050
g. Printing, Publication and Periodicals	1,365,153	1,723,044
h. Travelling Expenses	823,628	1,695,524
i. Legal Expenses	10,990	4,000
j. Hospitality Expenses	70,801	95,459
k. Advertisement and Publicity	1,793,353	Nil
l. Audit Fees	190,035	Nil
m. Others (specify)		
Bank Charges	13,895	107
Other Office expenses	1,508,527	1,256,252
Membership fees	323,936	3,260,970
Dificit on sale of unusable assets	Nil	137,292
<b>Total (I)</b>	<b>7,228,144</b>	<b>10,463,599</b>
<b>II. Payments Against Various Projects</b>		
Expenses on Training, Workshop & Conferences	5,983,151	8,805,831

Contd./-



	Current Year	Previous Year
Expesnes on Research Projects	4,972,026	4,829,105
Monitoring & Evaluation Of Zoos	607,457	611,811
Ex-Gratia Payment to closed Mobile Zoos	Nil	
Transportation Of Animals	76,700	Nil
<b>Total (II)</b>	<b>11,639,334</b>	<b>14,246,747</b>
<b>III. Unspent balance of GIA refundable to Ministry</b>		
<b>TOTAL ( I+II+III )</b>	<b>18,867,478</b>	<b>24,710,346</b>

**\*\* Provisions of Telephone charges accrued during the year 2009-10 but will be paid during 2010-11**



**FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**Name of Entity CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF INCOME & EXPENDITURE**  
**FOR THE PERIOD/YEAR ENDED 31.3.2010**  
**SCHEDULE 22- EXPENDITURE ON GRANTS, SUBSIDIES ETC.**

	Current Year	Previous Year
<b>a. Grant given to Institutions/Organisations</b>		
Grant released to various zoos	14,73,00,061	14,27,13,391
Unspent grants-in-aid refundable to ministry	Nil	Nil
<b>b. Subsidies given to Institutions/Organisations</b>	Nil	Nil
<b>TOTAL</b>	<b>14,73,00,061</b>	<b>14,27,13,391</b>





## SCHEDULE 24 - SIGNIFICANT ACCOUNTING POLICIES

### 1. **Basis of Accounting**

The Financial Statements are prepared under the historical cost convention on accrual basis and are in accordance with generally accounting practices.

### 2. **Fixed Assets**

Fixed Assets are stated at cost of acquisition which includes freight, duties and taxes relating to their acquisition less accumulated depreciation.

### 3. **Depreciation**

Depreciation on Fixed Assets is provided on written down value at the rates provided in the Income Tax Act. Assets acquired after Sept. have been depreciated at half of the rate of depreciation prescribed for an asset.

### 4. **General**

Accounting policies not specifically mentioned are otherwise in consonance with generally accepted accounting practices.



## SCHEDULE 25- CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

### 1 **Contingent Liabilities**

Claims against the Entity not acknowledge as debts - NIL (Previous year NIL).

### 2. **Capital Commitments**

Estimated value of contracts remaining to be executed on Capital account and not provided for (net of advances)- NIL (Previous year NIL)

### 3. **Current assets, Loans and Advances**

In the opinion of the Management, the Current Assets, Loans and Advances have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

4. Corresponding figures of the previous year have regrouped/ rearranged, wherever necessary.

5. Schedule 1 to 25 annexed form an integral part of the Balance Sheet as at 31<sup>st</sup> March, 2010 and the Income and expenditure Account of the year ended on that date.

6. The amount released to the various zoos has been accounted for as expenditure for the year in which the same was released.

7. The authority is making contribution towards superannuation scheme of L.I.C. of India. An amount of Rs. 7.37 lakh was accumulated as of March 2010.



Annexure - XIII

**REPORT OF THE COMPTROLLER AND AUDITOR GENERAL OF INDIA FOR THE YEAR ENDED MARCH 2008, UNION GOVERNMENT (COMPLIANCE AUDIT) NO. CA16 OF 2008-09, TABLED IN THE PARLIAMENT ON 10th JULY 2009.**

**Ministry of Environment and Forests**

**Functioning of Central Zoo Authority, New Delhi**

Central Zoo Authority (CZA), under ministry of Environment and Forests, functioned only as a grant releasing agency instead of an agency to ensure conservation of endangered species of animals in zoos. CZA failed to ensure effective protection of animals/ breeding programmes in the zoos. It had not fully identified the list of endangered species and undertook conservation breeding programmes for only three of the identified 63 endangered species. There was decrease in the number of endangered animals in the zoos all over the country due to high mortality. There was over-crowding of animals such as tigers, sambar/ spotted deer, leopards etc., in a large number of zoos, much beyond the optimal number of animals prescribed under CZA guidelines. CZA was unaware as to whether the zoos were following the norms and regulations introduced by it for upkeep etc. to ensure the proper health of animals in zoos as it did not conduct any regular monitoring of the functioning of zoos. The system of financial management in CZA was also weak with CZA unable to monitor whether the funds released by it were actually, being spent by state zoos for the sanctioned purpose.





**Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of Central Zoo Authority for the year ended 31 March 2010.**

1. We have audited the attached Balance Sheet of Central Zoo Authority, as on 31 March 2010, the income & Expenditure Account and the Receipts & Payment Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 38G of the Wild Life (Protection) Act, 1972. These financial statements are the responsibility of the CZA's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the law, rules & regulations (propriety and regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
  - (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
  - (ii) The Balance Sheet, Income & Expenditure Account and Receipt & Payment Account dealt with by this report have been drawn up in the format approved by the Ministry of Finance.
  - (iii) In our opinion, proper books of accounts and other relevant records have been maintained by the CZA as required under Section 38G of the Wildlife (Protection) Act, 1972 in so far as it appears from our examination of such books.
  - (iv) We further report that:

**Grants-in-aid**

During the year 2009-10 the Authority received grants of Rs. 1773.58 lakh (Rs. 1750 lakh for 2009-10 and Rs. 23.58 lakh unspent balance of the year 2008-09). Out of grants-in-aid of Rs



1773.58 Lakh, the Authority utilized a sum of Rs. 1757.14 lakh resulting in unspent balance of grant of Rs. 16.44 lakh.

### Management letter

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Member Secretary, Central Zoo Authority through a management letter issued separately for remedial/corrective action.

- (v) Subject to our observation in the preceding paragraphs, we report that the Balance Sheet & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.
- vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
  - a. In so far as it related to the Balance Sheet of the state of affairs of the CZA, as at 31<sup>st</sup> March 2010; and
  - b. In so far as it relates to Income & Expenditure Account of the surplus for the year ended on that date.

For and on behalf of the C&AG of India

Principal Director of Audit (SD)

Place: New Delhi

Date: 21/10/10



**ANNEXURE**

- (i) **Adequacy of Internal Audit System:** There is no Internal Audit Wing in Central Zoo Authority. Internal Audit had not been conducted since inception.
- (ii) **Adequacy of Internal Control System:** There is scope of some improvement in the Internal Control System of Central Zoo Authority as the following deficiencies were noticed:
- The Expenditure Control register to ensure that the expenditure under various heads remained within budget allocation was not maintained.
  - The Broad Sheets to monitor the recovery of long term advances was also not maintained.
  - A valuable register is required to be maintained, in which the Cheques/DDs received from outside are to be entered for watching timely deposits of Cheques/DDs. However, the same is not being maintained at CZA.
  - OTA, Local Conveyance Register and telephone register were not maintained. In the absence of these registers, the limit of OTA/local conveyance prescribed by Authority could not be verified in Audit. ED/Security register is not being maintained.
  - Stock register of TR-5 and Cheque Books were also not maintained, in the absence of which the authenticity of the said books could not be verified in Audit.
- (iii) **System of Physical Verification of Fixed Assets**  
Physical verification of fixed assets was conducted annually.
- (iv) **System of Physical Verification of Inventory**  
Physical verification of library books was not conducted.
- (v) **Regularity in payment of statutory dues:**  
The Central Zoo Authority was regular in depositing undisputed statutory dues.



