

Annual Report 2012-13



CENTRAL ZOO AUTHORITY

केन्द्रीय चिड़ियाघर प्राधिकरण

(A Statutory Body under the Ministry of Environment and Forests, Government of India)

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From the Desk of Member Secretary

The Central Zoo Authority (CZA), a statutory body under the Ministry of Environment & Forests, Government of India was constituted in 1992 under the provision of Wild Life (Protection) Act, 1972 to oversee the functioning of zoos in India and provide them technical assistance. In addition to this, bring to an end of mushrooming of the new zoos in India was another objective. Raising existing standard of animals' upkeep and veterinary care in zoos has been prime concern for the CZA.

The CZA formulated Recognition of Zoo Rules, 1992 to ensure the well being of animals in the captivity subsequently replaced by the Recognition of Zoo Rules, 2009 to provide more facilitation to zoos in management activities. National Zoo Policy, 1998 and Guidelines on Scientific Management of Zoo was also formulated to give the right direction to zoos to ensure scientific management and thrust to the national effort in wildlife conservation through ex-situ wildlife conservation.

The publication of annual report is the annual affair and mandatory practice of the CZA and report is placed before the members in parliament for observation and then it is circulated to the zoos. The annual report provides the glimpse of the activities which were carried out by the authority during the financial year.

Different committees are constituted by the CZA to assist in performing the duties and its mandated functions. Administrative Committee, Technical Committee and Expert Group on Zoo Designing are regular features of the CZA but due to latest development in conservation breeding, elephant welfare and other aspects of zoo management; Expert Group on Conservation Breeding, Appraisal Committee for elephants housed in Zoos, Standing Group of Technical Committee and Subcommittee to prepare guidelines on Exotic animals were also formed to assist CZA. Functions of these committees and CZA are regulated by the governing body i.e. Central Zoo Authority, which is chaired by the Hon'ble Minister of State (IC), Environment & Forests, Government of India and Member Secretary as Chief Executive Officer (CEO).

Apart from the other regular functions carried out by this authority during the year, meetings of the Expert Group on Zoo Designing with Zoo directors to finalize the master plan of respective zoos, and restructuring of CZA were significant events which will have long lasting impacts on management of zoos in India.

I am happy to publish the account of CZA functions including budgetary details in public domain as approved by Chairperson, CZA on recommendation of technical committee and do acknowledge the hard work of CZA team in exercising their duties and contribution of Members of the CZA in editing and formatting of annual report.

(B.S. Bonal)
Member Secretary
Central Zoo Authority



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1. Introduction

The Central Zoo Authority is a statutory body under the Ministry of Environment & Forests, established by the Government of India in the year 1992 through an amendment (1991) in the Wildlife (Protection) Act, 1972. A separate chapter (Chapter IVA, Section 38 A to 38 J) was added to the Act for establishment of Central Zoo Authority and recognition of zoos in India. The Indian Board for Wildlife re-constituted its Zoo Wing as 'the Expert Group on Zoos' in its 9th session held on November 18, 1972 at New Delhi to make detailed study for setting up and maintenance of zoos in the country. The Expert Group on Zoos submitted its report in June, 1973 which was accepted by the Board in November, 1973. The report recommended setting up of a central agency (Zoo Grants Commission) and to give effect to this, Wildlife (Protection) Act, 1972 was amended and CZA was established.



Asiatic Lioness (*Panthera leo persica*) with Cubs at Sakkarbaug Zoo, Junagarh
Photo Credit: Dr. Ravi Chauhan

1.1 Vision

The zoo will have healthy animals in eco-system based naturalistic enclosure, supportive to in-situ conservation with competent and contented staff, good educational and interpretative facilities, the support of people and self sufficient.

1.2 Mission

The Central Zoo Authority's mission is to provide better upkeep and veterinary care to the wild animal housed in zoos in India to ensure their conservation through best practices of management and bringing education & awareness among the people.



Royal Bengal Tiger (*Panthera tigris tigris*) at Sepahijala Zoological Park, Agartala
Photo Credit: Dr. Brij Kishore Gupta

1.3 Objective

The main objective is to



- a. Enforce minimum standards and norms for upkeep and healthcare of animals in Indian zoos and
- b. Control mushrooming of unplanned and ill-conceived zoos



Leopard (*Panthera pardus*) at National Zoological Park, Delhi
Photo Credit: Saurabh Vashisth

1.4 Functions

Zoos in India are regulated under the provisions of the Wildlife (Protection) Act, 1972 and are guided by the National Zoo Policy, 1998. The Central Zoo Authority, Government of India formulated Recognition of Zoo Rules, 1992 which were revised as Recognition of Zoo Rules, 2009 that were aimed at fixing 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 Wildlife (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.



Himalayan Serow (*Capricornis thar*)

Photo Credit: Dr. Brij Kishore Gupta



2.0 Governance

The establishment of CZA comprises of 18 regular/contractual scientific/administrative personnel to assist the Member Secretary in discharge of his duties.

Sl. No.	Name of the post	Name of the incumbent	Pay-Band/Salary (Amount in Rs.)
Permanent basis			
1.	Member Secretary	Shri B.S. Bonal (1 st January 2010 onwards)	67000-79000 (Grade Pay HAG Scale)
2.	Finance Officer	Shri Dilip Kumar (since 15 th November 2010-15 th November, 2012)	15600-39100 (Grade Pay Rs. 5400)
3.	Private Secretary	Mrs. Seema Burreja	9300-34800 (Grade Pay Rs. 4600)
4.	Accountant	Shri R.S. Rawat	9300-34800 (Grade Pay Rs. 4600)
5.	Data Processing Assistant	Shri Vivek Goel	9300-34800 (Grade Pay Rs. 4600)
6.	Personal Assistant	Mrs. Neeti Gulati	9300-34800 (Grade Pay Rs. 4600)
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. 1900)
10.	Office Peon	Shri Gopal Swami	4440-7440 (Grade Pay Rs. 1800)
11.	Staff Car Driver	Shri Hari Singh Bhandari	5200-20200 (Grade Pay Rs. 2400)
Outsourced basis			Cumulative amount
12.	Evaluation and Monitoring Officer	Dr. Brij Kishor Gupta	Rs. 37,500/-
13.	Scientific Officer	Dr. Devender Kumar	Rs. 22,000/-
14.	Law Officer	Shri Rajeev Ranjan Shahi	Rs. 17,000/-
15.	Office Assistant	Ms. Madhu Bala	Rs. 15,200/-
16.	Office Assistant	Ms. Neeta Atal	Rs. 14,100/-
17.	IT Assistant	Shri Arvind Kumar	Rs. 12,000/-
18.	Sweeper	Smt. Radha	Rs. 5900/-



2.1 Governing Body

The governing body of Central Zoo Authority comprises of twelve members with the Minister of State for Environment & Forests (Independent Charge) as its ex-officio Chairperson. The board was reconstituted for the 7th time in October 2010 for a period of three years vide Gazette Notification No. 2177 dated 18th October 2010 and appointed the following members with the Member Secretary as the Chief Executive Officer of the Authority.

- | | | |
|----|--|-----------------------------|
| 1. | Minister of State (Independent Charge)
for Environment & Forests, Government of India | Chairperson
(ex-officio) |
| 2. | Secretary to the Government of India,
Ministry of Environment & Forests, New Delhi | Member
(ex-officio) |
| 3. | Director General of Forests & Special Secretary,
Ministry of Environment & Forests,
Government of India, New Delhi | Member.
(ex-officio) |
| 4. | Additional Director General of Forests (Wildlife),
and Director, Wildlife Preservation,
Ministry of Environment & Forests,
Government of India, New Delhi | Member
(ex-officio) |
| 5. | Additional Secretary and Financial Advisor,
Ministry of Environment & Forests,
Government of India, New Delhi | Member
(ex-officio) |
| 6. | Director
Indian Veterinary Research Institute,
Bareilly, Uttar Pradesh | Member
(ex-officio) |
| 7. | Director
Wildlife Institute of India,
Dehradun, Uttarakhand | Member
(ex-officio) |
| 8. | Sh. S.K. Patnaik
Retd. Chief Wildlife Warden,
Bhubaneswar, Odisha, India | Member |
| 9. | Dr. Erach K. Bharucha
Director, Bharti Vidyapeeth Institute of Environment
Education and Research, Pune, Maharashtra | Member |



- | | | |
|-----|--|------------------|
| 10. | Shri Kartick Satyanarayan
Wildlife SOS, New Delhi | Member |
| 11. | Dr. Vibhu Prakash
Bombay Natural History Society | Member |
| 12. | Member Secretary
Central Zoo Authority, New Delhi | Member Secretary |

The 27th meeting of the Central Zoo Authority was not held due to the non-availability of the time by chairperson, Hon'ble Minister of Environment & Forests (Independent Charge) as requested by Central Zoo Authority.

2.2 Administrative Committee

A Sub-group, namely, Administrative Committee (to deal with the administrative and budgetary issues) of the Central Zoo Authority was constituted with the approval of the Minister of State (Independent Charge), Environment & Forests and Chairman, Central Zoo Authority vide order No. 19-8/92-CZA (Vol. III)(M) dated 09.11.2010 with the following composition and terms of reference:

- | | | |
|----|--|-------------|
| 1. | Director General of Forests & Special Secretary,
Ministry of Environment & Forests,
Government of India, New Delhi | Chairperson |
| 2. | Addl. Director General of Forests (WL) and
Director, Wildlife Preservation,
Ministry of Environment & Forests,
Government of India, New Delhi | Member |
| 3. | Addl. Secretary and Financial Adviser,
Ministry of Environment & Forests,
Government of India, New Delhi or his representative | Member |
| 4. | Joint Secretary (Admn.)
(Incharge, General Administration)
Ministry of Environment & Forests,
Government of India, New Delhi | Member |
| 5. | Member Secretary,
Central Zoo Authority | Convener |



The main functions of the Administrative Committee are:

- (a) To screen and approve the proposals regarding creation of posts and upgradation of existing posts in the Authority.
- (b) To approve proposals for awarding consultancies, outsourcing of services/ manpower and contract appointments to Group 'A' posts.
- (c) To approve annual budget of the Central Zoo Authority.
- (d) Any other matter referred to it by the Central Zoo Authority.

The period of term of the Administrative Committee will be co-terminus with the Central Zoo Authority constituted on October 18, 2010 for a period of three years. A scheduled meeting of the Administrative committee was held on 24 January 2013 during the period of report.

2.3 Technical Committee

The Technical Committee of the Central Zoo Authority was reconstituted with the approval of the Minister of State (Independent Charge) and Chairperson, Central Zoo Authority vide order No. 19-8/92-CZA(Vol.III)(M) dated 09.11.2010 with following composition and terms of reference:

- | | | |
|----|--|-------------|
| 1. | Additional Director General of Forests (Wildlife) and Director, Wildlife Preservation, Ministry of Environment & Forests, Government of India, New Delhi | Chairperson |
| 2. | Addl. Secretary and Financial Adviser Ministry of Environment & Forests, Government of India, New Delhi
Or his representative | Member |
| 3. | Director Wildlife Institute of India, Dehradun, Uttarakhand | Member |
| 4. | Director Indian Veterinary Research Institute, Bareilly, Uttar Pradesh | Member |



- | | | |
|----|--|----------|
| 5. | Sh. S.K. Patnaik
Retd. Chief Wildlife Warden, Odisha, Bhubaneswar | Member |
| 6. | Dr. Erach K. Bharucha
Director, Bharti Vidyapeeth Institute of Environment
Education and Research, Pune, Maharashtra | Member |
| 7. | Shri Kartick Satyanarayan
Wildlife SOS, New Delhi | Member |
| 8. | Dr. Vibhu Prakash
Bombay Natural History Society, Mumbai | Member |
| 9. | Sh. B.S. Bonal
Member Secretary,
Central Zoo Authority, New Delhi | Convener |

The main functions of the Technical Committee would be:

- (a) To make recommendations regarding specifying the minimum standards for housing, upkeep and veterinary care of the animals kept in a Zoo;
- (b) To approve the grant of recognition or de-recognition to the Zoos and to make recommendations for the applications received for the creation of new Zoos;
- (c) Identify endangered species of wild animals for purpose of captive breeding and assigning responsibility in this regard to a Zoo;
- (d) To make recommendations regarding exchange of animals with foreign Zoos, accepting gift of animals from foreign Zoos and to gift animals to foreign Zoos;
- (e) To approve exchange of animals which are part of coordinated conservation breeding programme among Indian Zoos;
- (f) Identify priorities, themes and approval of Master Plan with regard to display of captive animals in a Zoo;
- (g) To approve proposals for organizing training programmes, workshops and meeting in India on various aspects of Zoo management;
- (h) To approve research projects on issues related with the Zoos for funding by the Authority;



- (i) Provide technical assistance to Zoos for their proper management and development on scientific lines;
- (j) To approve proposals for release of financial assistance to various Zoos and other organizations; and
- (k) Any other function that may be assigned to it by the Central Zoo Authority.

The period of term of the Technical Committee will be co-terminus with the Central Zoo Authority constituted on October 18, 2010 for a period of three years.

62nd, 63rd, 64th and 65th meeting of the Technical Committee of CZA were held on 5th July 2012, 5th December 2012, 5th February 2013 and 22nd March 2013 respectively, wherein various agenda items and recommendations of the committees were considered.

2.4 Expert Group on Zoo Designing

The expert group on zoo designing was reconstituted by the Addl. DGF(WL)/ Director, Wildlife Preservation and Chairperson, Technical Committee, CZA, as per the mechanism approved by the Minister of State (Independent Charge) and Chairperson, CZA vide this office order F. No. 19-8/92-CZA(Vol. III)(M) dt. 03.11.2010 with following composition and terms of reference:

1. Shri S.C. Sharma
Retd. Addl. DGF (WL),
(Leader of Sub-group I)
411, New Delhi Apartments,
Plot No.-7, Vasundhara Enclave,
Delhi - 96
Member
2. Shri S.K. Patnaik
Retd. CWLW (WL), Government of Orissa,
(Leader of Sub-group II)
81, Fishery Lane, Budheswari Colony,
Bhubaneswar-751 006 (Odisha)
Member
3. Shri R.S. Bhadauria, IFS
Retd. PCCF (Uttar Pradesh)
(Leader of Sub-group III)
B-116, Indira Nagar, Lucknow-243 403
Member



4. Shri A.S. Dogra
Retd. PCCF (Punjab)
(Leader of Sub-group IV)
H. No. 256, Sector 37-A,
Chandigarh (Punjab) Member
5. Shri Kartick Satyanarayan
Wildlife S.O.S.,
D-210, Defence Colony,
New Delhi-24 Member
6. Prof. (Dr.) Surinder Suneja
Head, Department of Landscape Architecture,
School of Planning & Architecture,
4, Block B, Indraprastha Estate,
New Delhi-110 002 Member
7. Prof. (Dr.) Rommel Mehta
Department of Landscape Architecture,
School of Planning & Architecture,
Block-4, Indraprastha Estate,
New Delhi-110 002 Member
8. CCU (Chief Engineer),
Ministry of Environment & Forests,
Room No. 728, 7th Floor,
CGO Complex, Paryavaran Bhawan,
Lodhi Road, New Delhi-110 001 Member
9. Prof. M. Shaheer
(Retd.) Head, Department of Land Architecture,
School of Planning & Architecture,
Residence of 168/7, 2nd Floor
Sarai Julena, Okhla Road,
New Delhi-110 025 Member
10. Dr. Brij Kishor Gupta
Zoo Biologist,
C-280, Beta-I, Greater Noida-201 308 Member
11. Sh. Himanshu Malhotra
Wildlife Filmmaker, Environmentalist,
C-50, Defence Colony, New Delhi - 110 024 Member



- | | | |
|-----|---|----------|
| 12. | Dr. A.K. Malhotra
F-801, Neel Padam-1,
Vaishali, Sector-5,
Ghaziabad - 201 010 | Member |
| 13. | Sh. B.S. Bonal
Member Secretary
Central Zoo Authority,
New Delhi | Convener |

The terms of reference of the said Expert Group are:

1. To scrutinise, suggest improvements, changes and make recommendations (to the Technical Committee) in the proposed master (layout) plan & master plan submitted by the various zoos.
2. To scrutinise, suggest improvements/changes and approve/disapprove the designs of animal enclosures submitted by various zoos.
3. To suggest standards and norms for designing of animal enclosures for various zoos.

The Expert Group on Zoo Designing of CZA held its 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th and 39th on 3rd April 2012, 11th April, 2012, 9th May 2012, 22nd June 2012, 17th July 2012, 8th August 2012, 20th September 2012, 27th November 2012, 6th December 2012, 26th December 2012, 18th January 2013 and 1st March 2013 respectively. The Expert Group was divided in four sub-groups in order to oversee the Master Plan of the zoos of four different regions to expedite scrutiny of Master Plan/Master (layout) Plan and designs.

2.5 Appraisal Committee for elephants housed in Zoos

An appraisal committee was reconstituted with the approval of ADGF (WL) MoEF, Government of India and Chairperson of the technical committee of the CZA for examining the proposals received from Chief Wildlife Warden and Zoo Director for exemption of transfer of elephants on the grounds of their health, availability of large sized naturalistic enclosures and lack of proper facility in Protected Areas. This was with reference to the advisory issued by CZA dated 7th November, 2009 for transfer of elephants from zoos to elephant camps/rehabilitation camps/facilities available with



forest departments at national park/wildlife sanctuary / tiger reserve for departmental use.

In order to examine such requests, an appraisal committee was constituted on 18th May, 2010 vide letter F. No. 26-1/2010-CZA (M) with the following members:

- (i) Shri Kartick Satyanarayan
Member, Central Zoo Authority, New Delhi
- (ii) Mrs. Suparna Baksi Ganguly
Compassion Unlimited Plus Action (CUPA),
Bangalore
- (iii) Dr. K.K. Sharma
Veterinary College Khanpara, Guwahati
- (iv) Member Secretary, CZA or his representative

The committee would examine the proposals referred to it and submit its report to the Authority. The tenure of the committee was for a period of six months has been further extended from the date of issue of this order. The appraisal committee has conducted various meetings on the subject in order to speed up and ease the process.

The Stakeholders Consultative Meeting on "Elephants Upkeep in Zoos" was held on 18th March 2013 under the chairmanship of Shri S. S. Garbyal, Addl. DGF (WL) and Director, Wildlife Preservation, Government of India at Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.

2.6 Expert Group on Conservation Breeding

An expert group was constituted for revising and preparing detailed guidelines on Conservation Breeding vide this office order F.No. 24-6/2007-CZA (M) dated 11.10.2010 with the following members and term of reference:

A. Composition of the Committee

- | | | |
|----|---|------------------|
| 1. | Shri. B.S. Bonal
Member Secretary, Central Zoo Authority, | Member/ Convener |
| 2. | Director
or his representative,
Wildlife Institute of India,
PB No. 18, Chandrabani,
Dehradun-248 001 (Uttarakhand) | Member |



- | | | |
|----|--|--------|
| 3. | Dr. B.R. Sharma
511, Sky Lark Apartment,
Sector - 6, Dwarka,
New Delhi | Member |
| 4. | Dr. Vibhu Prakash
Principal Scientist,
Bombay Natural History Society,
Vulture Conservation Breeding Programme,
B-3, Forest Complex, Pinjore-134 102 (Haryana) | Member |
| 5. | Dr. Goutam Narayan
Project Officer,
Pigmy Hog Conservation Programme,
Research & Breeding Centre,
Indira Nagar, Basistha, Guwahati-781 029 (Assam) | Member |

Special Invitee

Shri Kartick Satyanarayan
Wildlife S.O.S. D - 210,
Defence Colony, New Delhi - 24

B. Terms of Reference

1. To develop a document on detail guidelines to zoos for the Conservation Breeding Programme (species specific and general) covering ex-situ and in-situ components including pattern of funding, site selection, collaboration with institutions, monitoring etc. inter alia with the concept paper and guidelines/norms developed by the CZA and recommendations of the International Conference on India's Conservation Breeding Initiative. Review of the ongoing Conservation Breeding Programme.
2. Critical evaluation of the Conservation Breeding Centres funded by the CZA.
3. Review and prioritization of the species identified under the conservation breeding programme.
4. Pattern of financial assistance to be provided zoos by the CZA for the conservation breeding.
5. To identifies zoos for maintaining national studbooks.
6. Any other aspects.



The Expert Group may also invite the representatives from Laboratory for Conservation of Endangered Species (LaCONES), Hyderabad and Indian Veterinary Research Institute, Bareilly and such other institutions, which may be deemed to be fit for identifying the areas or issues of conservation breeding. The Expert Group shall hold meetings as and when required.

The Expert Group on Conservation Breeding had its three sittings on 22nd May 2012 (6th Meeting), 8th November 2012 (7th Meeting) and 15th March 2013 (8th Meeting) to discuss the various proposals on Conservation Breeding and preparing guidelines on Conservation Breeding Programme.

3.0 Restructuring of Central Zoo Authority

In order to strengthen the CZA vide the Gazette of India, No. 437, Extraordinary, Part II-Section 3-Subsection (ii) dated 11, 2011 of creation of four regional offices at Jaipur, Nagpur, Guwahati and Hyderabad were required to be set up and also the following permanent posts were sanctioned.

S. No.	Name of Post	Pay Band	Basic Pay	Grade Pay	No. of posts	Mode of recruitment
1.	Deputy Inspector General	PB-4	37400-67000	8900	5	Deputation
2.	Evaluation & Monitoring Officer	PB-3	15600-39100	6600	1	Promotion failing which by deputation/short-term contract
3.	Scientific Officer	PB-3	15600-39100	5400	2	Promotion failing which by deputation/Direct
4.	Evaluation & Monitoring Assistant	PB-2	9300-34800	4200	1	Promotion failing which by deputation /Direct
5.	Technical Assistant	PB-1	5200-20200	2800	1	Direct

The recruitment rule for the above posts (except Scientific Officer) may be notified vide Government of India, Gazette No. 468, Extraordinary, Part-II-Section3-sub-section (i) dated September 19, 2012. After notification of recruitment rule for these posts, the necessary action to fill up all the posts has already been initiated by way of advertisement in various newspapers and employment news.



4.0 Functioning of the CZA

4.1 Technical Evaluation and Grant of Recognition to Zoos

The Central Zoo Authority evaluated 53 Zoos during the year 2012-13 as per the details given below. Of these 2, 9 and 42 were Medium, Small and Mini category zoos respectively. Apart from this 9 Rescue centres and Circus were also evaluated during this period. Apart from this, 4 zoos were evaluated as mid term.

List of Zoos evaluated during 2012-2013

S. No.	Name of the State	Name of the Zoo	Name of the Evaluating Officer	Date of evaluation
Medium Category Zoos				
1.	Uttar Pradesh	Kanpur Zoological Park, Kanpur	Sh. S. C. Sharma Dr. P. K. Malik	16.06.2012
2.	Punjab	M. C. Zoological Park, Chhatbir, Chandigarh	Sh. S. K. Patnaik Dr. P. K. Malik	02.03.2013
Small Category Zoos				
3.	Jharkhand	Tata Steel Zoological Park, Jamshedpur	Dr. Brij Kishor Gupta Dr. M. Navin Kumar	13.09.2012
4.	Uttar Pradesh	Sarnath Deer Park, Varanasi	Dr. A. K. Malhotra	10.10.2012
5.	West Bengal	Jhargram Deer Park, Jhargram	Mr. R. C. Bhattacharjee	09.12.2012
6.	Punjab	Ludhiana Zoo, Ludhiana	Dr. A. K. Malhotra	31.08.2012
7.	Karnataka	Children Park-cum-Mini Zoo,	Mr. Alankar K Jha	22.01.2013
8.	Maharashtra	Aurangabad Municipal Zoo, Aurangabad.	Mr. A. S. Dogra Dr. A. K. Malhotra	11-12.01.2013



S. No.	Name of the State	Name of the Zoo	Name of the Evaluating Officer	Date of evaluation
9.	Maharashtra	Sanjay Gandhi National Park-Zoo, Borivali (East)	Dr. A. B. Shrivastav Mr. A. S. Dogra	18-20.11.2012
10.	Mizoram	Aizawl Zoo, Aizawl	Sh. B. S. Bonal	21.02.2013
11.	Jharkhand	Jawaharlal Nehru Biological Park, Bokaro	Sh. S. K. Patnaik	02.01.2012
Mini Category Zoos				
12.	Andhra Pradesh	Kinnerasani Deer Park, Kinnerasani	Dr. M. G. Jayathangaraj	24-25.04.2012
13.	Kerala	Mini Zoo, Kodanad	Dr. Brij Kishor Gupta	14-15.05.2012
14.	Arunachal Pradesh	Centre for Bear Rehabilitation and Conservation, Pakke	Sh. R. C. Bhattacharjee	12-13.02.2012
15.	Madhya Pradesh	Kamla Nehru Prani Sangrahalaya, Indore	Sh. S. C. Sharma Dr. A. K. Malhotra	28.02.2012
16.	Karnataka	Wildlife Rescue and Rehabilitation Centre, Bangalore	Dr. Brij Kishor Gupta	25.04.2012
17.	Karnataka	Kaiwara Tapovana Zoo, Kolar	Sh. S. C. Sharma Dr. Brij Kishor Gupta	23.05.2012
18.	Andhra Pradesh	Tirumala Hills Deer Park, Tirumala	Sh. S. C. Sharma Dr. Brij Kishor Gupta	18.08.2012
19.	Karnataka	Tungabhadra Mini Zoo, Tungabhadra, Bellary	Sh. S. C. Sharma Dr. Brij Kishor Gupta	16.08.2012
20.	Karnataka	Indira Priyadarshini Prani Sangrahalaya, Anagodu, Davangere	Sh. S. C. Sharma Dr. Brij Kishor Gupta	26.04.2012



S. No.	Name of the State	Name of the Zoo	Name of the Evaluating Officer	Date of evaluation
21.	Karnataka	A. M. Gudi Mini Zoo, Balvana	Sh. S. C. Sharma Dr. Brij Kishor Gupta	26.04.2012
22.	Maharashtra	Maharaja Shahaji Chhatrapati Zoo, Kolhapur	Dr. B. Trinadha Rao	04.09.2012
23.	West Bengal	Nature Park, Taratola, Kolkata	Sh. R. S. Bhadauria	25.06.2012
24.	West Bengal	Garchumukh Deer Park, Garchumukh	Sh. R. S. Bhadauria	27.06.2012
25.	West Bengal	Surulia Mini Zoo, Purulia	Dr. Mohan Lal Smith	05.11.2012
26.	West Bengal	Ramnabagan Mini Zoo, Burdwan	Dr. Mohan Lal Smith	09.11.2012
27.	West Bengal	Pugmarks-PFA Santiniketan Rescue Centre, Distt. Birbhum	Dr. Mohan Lal Smith	07.11.2012
28.	Andhra Pradesh	Karuna Wildlife Rescue Centre, Rayalaseema	Dr. R. Raju	03.11.2012
29.	Dadra and Nagar Haveli	Lion Safari, Vasona	Dr. Rajkumar Jadhavs	29.12.2012
30.	Karnataka	The Mini Zoo at Gendekatte, Hassan	Mr. Alankar K Jha	19.12.2012
31.	Odisha	Kuanria Deer Park	Mr. Bipul Chakrabarty	09.12.2012
32.	Odisha	Gharial Research & Conservation Unit, Tikarpada	Mr. Bipul Chakrabarty	12.10.2012
33.	Odisha	Cuttack Deer Park, Cuttack	Mr. Bipul Chakrabarty	06.11.2012



S. No.	Name of the State	Name of the Zoo	Name of the Evaluating Officer	Date of evaluation
34.	Sikkim	Himalayan Zoological Park, Bulbuley, Gangtok	Mr. Alankar K Jha	26.10.2012
35.	West Bengal	Kunjanagar Eco Park, Kunjanagar (Mini Zoo)	Mr. R. C. Bhattacharjee	08.11.2012
36.	West Bengal	Kumari Kangsabatti Deer Park, Bankura	Mr. R. C. Bhattacharjee	29.12.2012
37.	West Bengal	Adina Deer Park, Malda	Mr. R. C. Bhattacharjee	19.12.2012
38.	West Bengal	Rasikbeel Mini Zoo, Coochbehar	Mr. R. C. Bhattacharjee	11.10.2012
39.	Punjab	Deer Park, Neelon, Ludhiana	Dr. A. K. Malhotra	01.09.2012
40.	Arunachal Pradesh	Biological Park, Itanagar	Dr. Mohan Lal Smith	20.02.2013
41.	Gujarat	Sundervan Nature Discovery Centre, Ahmedabad	Dr. R. K. Sahu Dr. R. V. Jadhav	02.02.2013
42.	Jharkhand	Birsa Mrig Vihar, Kalamati	Dr. G. K. Dubey	28.02.2013
43.	Kerala	Malampuzha Snake Park, Malampuzha	Dr. B. Trinadha Rao	01-02.02.2013
44.	Odisha	Nawabganj Deer Park, Unnao	Sh. P. C. Tyagi	27.10.2012
45.	West Bengal	Rasikbeel Mini Zoo, Rasikbeel	Sh. R. C. Bhattacharjee	11.10.2012
46.	Rajasthan	Bikaner Zoo, Bikaner	Dr. A. K. Malhotra	5-6.03.2013
47.	Maharashtra	Leopard Rescue Centre, Manikdoh	Dr. Brij Kishor Gupta	09.03.2013



S. No.	Name of the State	Name of the Zoo	Name of the Evaluating Officer	Date of evaluation
48.	Andhra Pradesh	Deer Park, Satyam Technology, Ranga Reddy District, Hyderabad	Dr. Brij Kishor Gupta	13.02.2013
49.	Andhra Pradesh	Deer Park, Jawahar Lake Tourist Complex, Shamirpet	Dr. Brij Kishor Gupta	11.02.2013
50.	Andhra Pradesh	Sanghi Mini Zoo (Deer Park), Sanghi Nagar, R. R. District	Dr. Brij Kishor Gupta	12.02.2013
51.	Andhra Pradesh	Himayath Sagar Mini Zoo, Himayathsagar, R. R. District	Dr. Brij Kishor Gupta	12.02.2013
52.	Andhra Pradesh	Rescue Centre at Visakha Society for Protection and Care of Animals, Visakhapatnam, Andhra Pradesh	Dr. Brij Kishor Gupta	14.02.2013
53.	Punjab	Patiala Zoo, Patiala	Dr. A. K. Malhotra	27-28.02.2013
Mid-term evaluation				
54.	Kerala	Hill Palace Zoo, Ernakulam	Dr. Brij Kishor Gupta	14.05.2012
55.	Karnataka	Bellary Zoo, Bellary	Sh. S. C. Sharma Dr. Brij Kishor Gupta	24.05.2012
56.	Karnataka	People for Animals Rescue Centre, Bangalore	Dr. Brij Kishor Gupta	25.04.2012
57.	West Bengal	Zoological Garden, Alipore	Sh. R. S. Bhadauria	27.06.2012



Zoos Granted Recognition during 2012-2013

The Central Zoo Authority granted renewal of recognition to 46 zoos during the year 2012-13 as per the details given below. Of these 2, 10 and 34 were Medium, Small and Mini category zoos respectively. Apart from this 13 Rescue Centre and Circuses were granted renewal of recognition.

List of Zoos Recognized during 2012-2013

S. No.	Name of the State	Name of the Zoo	Recognition valid up to
Medium Category Zoos			
1.	Uttar Pradesh	Kanpur Zoological Park, Kanpur	31.12.2016
2.	Punjab	M. C. Zoological Park, Chhatbir, Chandigarh	30.06.2015
Small Category Zoos			
3.	Jharkhand	Tata Steel Zoological Park, Jamshedpur	31.12.2016
4.	Uttar Pradesh	Sarnath Deer Park, Varanasi	31.12.2015
5.	West Bengal	Jhargram Deer Park, Jhargram	31.08.2010
6.	Karnataka	Children Park-cum-Mini Zoo, Binkadakatti, Gadag	31.10.2015
7.	Maharashtra	Aurangabad Municipal Zoo, Aurangabad	30.04.2013
8.	Maharashtra	Sanjay Gandhi National Park-Zoo, Borivali (East), Mumbai	30.09.2014
9.	Mizoram	Aizawl Zoo, Aizawl	30.09.2015
10.	Madhya Pradesh	Kamla Nehru Prani Sangrahalaya, Indore	31.08.2016
11.	Punjab	Ludhiana Zoo, Ludhiana	30.06.2014
12.	Jharkhand	Jawaharlal Nehru Biological Park, Bokaro	31.12.2016



S. No.	Name of the State	Name of the Zoo	Recognition valid up to
Mini Category Zoos			
13.	Arunachal Pradesh	Centre for Bear Rehabilitation and Conservation, Pakke	31.07.2013
14.	Andhra Pradesh	Kinnerasani Deer Park, Kinnerasani	31.08.2015
15.	Kerala	Mini Zoo, Kodanad	30.04.2013
16.	Karnataka	Tungabhadra Mini Zoo, Tungabhadra, Bellary	31.12.2015
17.	Karnataka	Indira Priyadarshini Prani Sangrahalaya, Anagodu, Davangere	31.12.2015
18.	Karnataka	A. M. Gudi Mini Zoo, Balvana	30.04.2014
19.	Maharashtra	Maharaja Shahaji Chhatrapati Zoo, Kolhapur	31.10.2015
20.	West Bengal	Nature Park, Taratola, Kolkata	30.09.2013
21.	West Bengal	Garchumukh Deer Park, Garchumukh	31.12.2015
22.	West Bengal	Surulia Mini Zoo, Purulia	31.12.2015
23.	West Bengal	Ramnabagan Mini Zoo, Burdwan	31.12.2015
24.	West Bengal	Pugmarks-PFA Santiniketan Rescue Centre, Distt. Birbhum	31.12.2015
25.	Andhra Pradesh	Karuna Wildlife Rescue Centre, Rayalaseema	31.10.2014
26.	Dadra and Nagar Haveli	Lion Safari, Vasona	31.01.2013
27.	Karnataka	The Mini Zoo at Gendekatte, Hassan	30.04.2013
28.	Odisha	Kuanria Deer Park	30.09.2013
29.	Odisha	Gharial Research & Conservation Unit, Tikarpada	30.09.2014
30.	Sikkim	Himalayan Zoological Park, Bulbuley, Gangtok	31.10.2014
31.	West Bengal	Kunjanagar Eco Park, Kunjanagar (Mini Zoo)	31.12.2014
32.	West Bengal	Kumari Kangsabatti Deer Park, Bankura,	30.04.2013



S. No.	Name of the State	Name of the Zoo	Recognition valid up to
33.	West Bengal	Adina Deer Park, Malda	31.03.2011
34.	West Bengal	Rasikbeel Mini Zoo, Coochbehar	31.10.2014
35.	Arunachal Pradesh	Biological Park, Itanagar	28.02.2016
36.	Gujarat	Sundervan Nature Discovery Centre, Ahmedabad	31.10.2013
37.	Jharkhand	Birsa Mrig Vihar, Kalamati	30.06.2014
38.	Kerala	Malampuzha Snake Park, Malampuzha	30.04.2015
39.	Uttar Pradesh	Nawabganj Deer Park, Unnao	30.06.2014
40.	West Bengal	Rasikbeel Mini Zoo, Rasikbeel	31.10.2014
41.	Rajasthan	Bikaner Zoo, Bikaner	22.03.2013
42.	Maharashtra	Leopard Rescue Centre, Manikdoh	31.10.2014
43.	Andhra Pradesh	Deer Park, Satyam Technology, Ranga Reddy District, Hyderabad	31.10.2014
44.	Andhra Pradesh	Deer Park, Jawahar Lake Tourist Complex, Shamirpet	31.10.2014
45.	Andhra Pradesh	Sanghi Mini Zoo (Deer Park), Sanghi Nagar, R. R. District	31.10.2014
46.	Andhra Pradesh	Himayath Sagar Mini Zoo, Himayathsagar, R. R. District	31.10.2014



Photo Credit: Saurabh Vashisth

Great Indian Hornbill (*Buceros bicornis*) at National Zoological Park, Delhi

Photo Credit: Muskam Sandeep

Striped Tiger (*Danaus genutia*) at Nehru Zoological Park, Hyderabad



4.2. List of the recognized zoos as on 31st March 2013:

The zoos in India are classified as "large, medium, small and mini zoos" as per the criteria (area of the zoo, number of visitors, number of species and animals, endangered species and number of animals of endangered species) provided under the Recognizing of Zoo Rules 2009, for the purpose of deciding standards and norms for recognition of zoo and monitoring and evaluating its performance. The zoo should meet at least any four of the aforesaid criteria (but including number of species and number of animals) to be classified into the above mentioned category. The list of the recognized zoo is given below:

S.No.	Zoo Name	City	State / Union Territory	Category
1.	Biological Park, Chidyatapu	Port Blair	Andaman & Nicobar Islands	Mini Zoo
2.	Deer Park - Satyam Technology Centre	Ranga Reddy	Andhra Pradesh	Mini Zoo
3.	Deer Park, Chittoor Reserve Forest	Chittoor (East) Division	Andhra Pradesh	Mini Zoo
4.	Deer Park, Kandaleru	Kandaleru	Andhra Pradesh	Mini Zoo
5.	Deer Park, Kesoram Cement	Basant Nagar	Andhra Pradesh	Mini Zoo
6.	Deer Park, Nfcl Green Belt	Kakinada	Andhra Pradesh	Mini Zoo
7.	Deer Park, Tirumala Hills	Chittoor	Andhra Pradesh	Mini Zoo
8.	Deer Park, Jawahar Lake Tourist Complex	Shamirpet	Andhra Pradesh	Mini Zoo
9.	G.V.K. Industires Deer Park	Hyderabad	Andhra Pradesh	Mini Zoo
10.	Himayat Sagar Mini Zoo	Ranga Reddy	Andhra Pradesh	Mini Zoo
11.	Indira Gandhi Zoological Park	Visakhapatnam	Andhra Pradesh	Medium Zoo
12.	Karimnagar Deer Park	Karimnagar	Andhra Pradesh	Mini Zoo
13.	Karuna Society For Animals And Nature-Rescue Centre	Dist. Anantapur	Andhra Pradesh	Rescue Center



S.No.	Zoo Name	City	State / Union Territory	Category
14.	Kinnerasari Deer Park	Kinnerasari	Andhra Pradesh	Mini Zoo
15.	Nehru Zoological Park	Hyderabad	Andhra Pradesh	Large Zoo
16.	Pillalamarri Deer Park	Pillalamarri Complex, Mahabub Nagar	Andhra Pradesh	Mini Zoo
17.	Sanghi Deer Park	Sanghi Nagar	Andhra Pradesh	Mini Zoo
18.	Sri Venkateswara Zoological Park	Tirupati	Andhra Pradesh	Medium
19.	Vanavigyan Kendra,	Warangal	Andhra Pradesh	Small Zoo
20.	Visakha Society For Protection And Care Of Animals	Visakhapatnam	Andhra Pradesh	Rescue Center
21.	Biological Park, Itanagar	Itanagar	Arunachal Pradesh	Small Zoo
22.	Centre For Bear Rehabilitation And Conservation	Pakke	Arunachal Pradesh	Rescue Center
23.	Miao Mini Zoo	Miao	Arunachal Pradesh	Mini Zoo
24.	Mini Zoo, Roing	Roing	Arunachal Pradesh	Mini Zoo
25.	Assam State Zoo Cum Botanical Garden	Guwahati	Assam	Large Zoo
26.	Bijni Deer Park	Bongaigaon	Assam	Mini Zoo
27.	Centre For Wildlife Rehabilitation And Conservation	Golaghat	Assam	Rescue Center
28.	Moonlight Circus	Khelmati	Assam	Circus
29.	Rhino Circus	Lakhimpur	Assam	Circus
30.	Sanjay Gandhi Biological Park	Patna	Bihar	Large Zoo
31.	Kanan Pandari Zoo	Bilaspur	Chhattisgarh	Small Zoo
32.	Maitri Baagh Zoo	Bhilai	Chhattisgarh	Small Zoo



S.No.	Zoo Name	City	State / Union Territory	Category
33.	Nandan Van Zoo	Raipur	Chhattisgarh	Small Zoo
34.	Lion Safari - Vasona	Vasona	Dadra & Nagar Haveli	Mini Zoo
35.	A.N.Jha Deer Park, Hauz Khas	Hauz Khas (New Delhi)	Delhi	Mini Zoo
36.	National Zoological Park	Delhi	Delhi	Medium Zoo
37.	Bondla Zoo	Usgao	Goa	Small Zoo
38.	Dr. Shyamaprasad Mukharjee Zoological Garden	Surat	Gujarat	Small Zoo
39.	Great Golden Circus	Ahmedabad	Gujarat	Circus
40.	Indroda Nature Park	Gandhi Nagar	Gujarat	Medium Zoo
41.	Kamla Nehru Zoological Garden	Ahmedabad	Gujarat	Large Zoo
42.	Rajkot Zoo	Rajkot	Gujarat	Mini Zoo
43.	Sakkarbaug Zoo	Junagarh	Gujarat	Medium Zoo
44.	Sayaji Baug Zoo	Vadodara	Gujarat	Medium Zoo
45.	Sir Peter Scott Nature Park	Jamnagar	Gujarat	Mini Zoo
46.	Sundervan Nature Discovery Centre	Jodhpur Tekra (Ahmedabad)	Gujarat	Mini Zoo
47.	Deer Park, Hissar	Hissar	Haryana	Mini Zoo
48.	Hanuman Vatika-Rescue Centre	Gurgoan	Haryana	Rescue Center
49.	Mini Zoo, Bhiwani	Bhiwani	Haryana	Mini Zoo
50.	Mini Zoo, Pipli	Pipli	Haryana	Mini Zoo
51.	Rohtak Zoo	Rohtak	Haryana	Mini Zoo
52.	Vulture Conservation Breeding Center	Pinzore	Haryana	Rescue Center
53.	Wildlife Rescue Centre	Gurgaon	Haryana	Rescue Center



S.No.	Zoo Name	City	State / Union Territory	Category
54.	Dhauladhar Nature Park	Gopalpur	Himachal Pradesh	Small Zoo
55.	Himalayan Nature Park	Kufri	Himachal Pradesh	Small Zoo
56.	Nehru Phesantary	Manali	Himachal Pradesh	Rescue Center
57.	Renuka Mini Zoo	Sirmur	Himachal Pradesh	Mini Zoo
58.	Rescue And Rehabilitation Home	Tutikandi	Himachal Pradesh	Rescue Center
59.	Rewalsar Mini Zoo	Mandi	Himachal Pradesh	Mini Zoo
60.	Sarahan Phesantry	Sarahan	Himachal Pradesh	Mini Zoo
61.	Jammu Zoo	Ramnagar	Jammu & Kashmir	Mini Zoo
62.	Kashmir Zoo	Srinagar	Jammu & Kashmir	Mini Zoo
63.	Bhagwan Birsa Biological Park	Ranchi	Jharkhand	Medium Zoo
64.	Birsa Mrig Vihar	Kalimati	Jharkhand	Mini Zoo
65.	Jawaharlal Nehru Biological Park	Bokaro	Jharkhand	Small Zoo
66.	Mugger Breeding Centre (Muta Zoo)	Muta	Jharkhand	Mini Zoo
67.	Tata Steel Zoological Park	Jamshedpur	Jharkhand	Small Zoo
68.	Bellary Childrens Park-Cum-Zoo (Bellary Zoo)	Bellary	Karnataka	Small Zoo
69.	Children Park & Zoo (Gadag Zoo)	Gadag	Karnataka	Small Zoo
70.	Deer Park At Shri Kshetra Sogal, Soudatti	Belgaun	Karnataka	Mini Zoo
71.	Deer Park, N.M.D.C.Ltd.	Donimalai	Karnataka	Mini Zoo
72.	Dr. K. Shivarma Karanth Pililkula Biological Park	Mangalore	Karnataka	Medium Zoo



S.No.	Zoo Name	City	State / Union Territory	Category
73.	Indira Priyadarshini Sangrahalaya, Anagodu	Davangere Taluk	Karnataka	Mini Zoo
74.	Kaiwara Tapowana Chintamani Talluk	Kolar	Karnataka	Mini Zoo
75.	Kittur Rani Cannamma Nisarg Dhama Mini Zoo	Belgaum	Karnataka	Mini Zoo
76.	Mini Zoo A. M. Gudi Balvana	Chitradurga	Karnataka	Mini Zoo
77.	Mini Zoo At Gendekatte	Hassan	Karnataka	Mini Zoo
78.	Mini Zoo Cum Children Park	Gulbarga	Karnataka	Mini Zoo
79.	Namadachilume Deer Park	Tumkur	Karnataka	Mini Zoo
80.	National Park, Bannerghatta Zoological Garden	Bangalore	Karnataka	Medium Zoo
81.	People For Animals - Rescue Centre	Bangalore	Karnataka	Rescue Center
82.	Sri Chamarajendra Zoological Gardens	Mysore	Karnataka	Large Zoo
83.	Tiger & Lion Safari	Shimoga	Karnataka	Small Zoo
84.	Tungabhadra Dam Mini Zoo	Bellary	Karnataka	Mini Zoo
85.	Wildlife Rescue & Rehabilitation Centre	Bangalore	Karnataka	Rescue Center
86.	Amar Circus	Calicut	Kerala	Circus
87.	Gemini Circus	Varam	Kerala	Circus
88.	Great Bombay Circus	Tillicherry	Kerala	Circus
89.	Great Rayman Circus	Cochin	Kerala	Circus
90.	Hill Palace Zoo, Ernakulam	Ernakulam	Kerala	Mini Zoo
91.	Jamuna Circus	Raigarh	Kerala	Circus
92.	Jumbo Circus	Varam	Kerala	Circus



S.No.	Zoo Name	City	State / Union Territory	Category
93.	Kodanadu Zoo	Kodanadu	Kerala	Small Zoo
94.	Lion Safari Park At Nayyar Dam (Nayyar Mini Zoo)	Thirunvanantha-puram	Kerala	Mini Zoo
95.	Parassinikkadavu Reptile Park	Kanur	Kerala	Mini Zoo
96.	Raj Kamal Circus	Dharmadam	Kerala	Circus
97.	Snake Park, Malampuzha	Malampuzha	Kerala	Mini Zoo
98.	Sri Lok Nayak Jaya Prakash Narayan Smrity Van Deer Park	Walayar	Kerala	Mini Zoo
99.	State Museum & Zoo	Thrissur	Kerala	Medium Zoo
100.	Thiruvananthapuram Zoo	Thirunvanantha-puram	Kerala	Medium Zoo
101.	Gandhi Zoological Park	Gwalior	Madhya Pradesh	Small Zoo
102.	Kamla Nehru Prani Sanghralhalaya Zoo	Indore	Madhya Pradesh	Small Zoo
103.	Van Vihar National Park Zoo	Bhopal	Madhya Pradesh	Small Zoo
104.	Amtes Animal Ark	Wardha	Maharashtra	Rescue Center
105.	Aurangabad Municipal Zoo	Aurangabad	Maharashtra	Small Zoo
106.	Leopard Rescue Centre	Manikdoh	Maharashtra	Rescue Center
107.	Maharaja Shahaji Chhatrapati Zoo	Kolhapur	Maharashtra	Mini Zoo
108.	Maharajbag Zoo	Nagpur	Maharashtra	Small Zoo
109.	Mahatma Gandhi Rashtriya Udyan Zoo	Solapur	Maharashtra	Small Zoo
110.	Nisargakavi Bahinabai Choudhary Pranisangahalaya	Chinchiwad, Pune	Maharashtra	Small Zoo
111.	People For Animals, Shelter House	Wardha	Maharashtra	Rescue Center



S.No.	Zoo Name	City	State / Union Territory	Category
112.	Rajiv Gandhi Zoological Park And Wildlife Research Center	Pune	Maharashtra	Small Zoo
113.	Rambo Circus	Pune	Maharashtra	Circus
114.	Sanjay Gandhi National Park And Zoo	Borivali	Maharashtra	Small Zoo
115.	Snake Park, Shikshan Mandal	Kolhapur	Maharashtra	Mini Zoo
116.	The Great Royal Circus	Namadic	Maharashtra	Circus
117.	Veermata Jijabai Bhosale Udyan & Zoo	Mumbai	Maharashtra	Small Zoo
118.	Manipur Zoological Garden	Imphal	Manipur	Small Zoo
119.	Lady Hydari Park Animal Land (Meghalaya Zoo)	Shillong	Meghalaya	Mini Zoo
120.	Nehru Park Zoo, Danakgre, Tura	Akhongini Tura	Meghalaya	Mini Zoo
121.	Aizawl Zoo (Mizoram Zoo)	Aizawl	Mizoram	Small Zoo
122.	Deer Park, Thenzawl	Thenzawl	Mizoram	Mini Zoo
123.	Nagaland Zoological Park, Rangapahar	Dimapur	Nagaland	Mini Zoo
124.	Deer Park, Berhampur Unit	Berhampur	Odisha	Mini Zoo
125.	Deer Park, Papadahandi	Nawarangpur	Odisha	Mini Zoo
126.	Gharial Research & Conservation Unit	Tikarpara	Odisha	Mini Zoo
127.	H.A.L. Deer Park, Koraput	Sunabeda	Odisha	Mini Zoo
128.	Harishankar Deer Park	Balangir	Odisha	Mini Zoo
129.	Indira Gandhi Park Zoo	Rourkela	Odisha	Small Zoo
130.	Kapilash Zoo	Dhenkanal	Odisha	Small Zoo
131.	Kuanria Deer Park, Nayagarh Forest Division	Nayagarh	Odisha	Mini Zoo



S.No.	Zoo Name	City	State / Union Territory	Category
132.	Municipality Deer Park	Cuttack	Odisha	Mini Zoo
133.	Nandankanan Biological Park	Bhubaneswar	Odisha	Large Zoo
134.	Taptapani Deer Park	Parlakhemundi	Odisha	Mini Zoo
135.	Wild Animal Conservation Center	Mothijharan, Sambalpur	Odisha	Small Zoo
136.	Deer Park, Bir Moti Bagh (Patiala Zoo)	Patiala	Punjab	Small Zoo
137.	Deer Park, Bir Talab	Bhatinda	Punjab	Mini Zoo
138.	Deer Park, Neelon	Ludhiana	Punjab	Mini Zoo
139.	Ludhiana Zoo	Ludhiana	Punjab	Small Zoo
140.	Mahendra Chaudhury Zoological Park	Chhatbir, Chandigarh	Punjab	Medium Zoo
141.	Bikaner Zoo	Bikaner	Rajasthan	Mini Zoo
142.	Deer Park, Shri Goverdhan Trust	Udaipur	Rajasthan	Mini Zoo
143.	Jaipur Zoo	Jaipur	Rajasthan	Small Zoo
144.	Jodhpur Zoo	Jodhpur	Rajasthan	Small Zoo
145.	Kota Zoo	Kota	Rajasthan	Small Zoo
146.	Panchwati Deer Park	Pilani	Rajasthan	Mini Zoo
147.	Safari Park, Haridasji-Ki-Magri	Udaipur	Rajasthan	Mini Zoo
148.	Udaipur Zoo	Udaipur	Rajasthan	Small Zoo
149.	Himalayan Zoological Park, Bulbuley	Gangtok	Sikkim	Mini Zoo
150.	Amirdhi Zoo	Vellore	Tamil Nadu	Small Zoo
151.	Arignar Anna Zoological Park	Vandalur, Chennai	Tamil Nadu	Large Zoo
152.	Chennai Snake Park Trust	Guindy, Chennai	Tamil Nadu	Small Zoo



S.No.	Zoo Name	City	State / Union Territory	Category
153.	Childrens Park	Guindy, Chennai	Tamil Nadu	Small Zoo
154.	Kurumbapatti Zoological Park	Salem	Tamil Nadu	Mini Zoo
155.	Madras Crocodile Bank Trust/ Centre For Herpetology	Mahabalipuram	Tamil Nadu	Small Zoo
156.	Nilgiri Mini Zoo And Breeding Centre	Tiruchirapalli	Tamil Nadu	Mini Zoo
157.	Shivganga Garden Mini Zoo	Thanjavur	Tamil Nadu	Mini Zoo
158.	V.O.C. Park Mini Zoo	Coimbatore	Tamil Nadu	Small Zoo
159.	Sepahijala Zoological Park	Sepahijala, Agartala	Tripura	Medium Zoo
160.	Agra Bear Rescue Facility	Agra	Uttar Pradesh	Rescue Center
161.	Apollo Circus	Varanasi	Uttar Pradesh	Circus
162.	Deer Park, Iffco Township, Anda	Bareilly	Uttar Pradesh	Mini Zoo
163.	Great Apollo Circus	Hamirpur	Uttar Pradesh	Circus
164.	Great Gemini Circus	Kanpur	Uttar Pradesh	Circus
165.	Kanpur Zoological Park	Kanpur	Uttar Pradesh	Medium Zoo
166.	Lucknow Zoological Park	Lucknow	Uttar Pradesh	Medium Zoo
167.	Nawabganj Deer Park	Unnao	Uttar Pradesh	Mini Zoo
168.	Rajmahal Circus	Hamirpur	Uttar Pradesh	Circus
169.	Sarnath Deer Park	Varanasi	Uttar Pradesh	Small Zoo
170.	Van Prani Udyan, I.V.R.I.	Izatnagar, Bareilly	Uttar Pradesh	Mini Zoo
171.	Vinod Van Mini Zoo, Ramgarh (Gorakhpur Zoological Park)	Gorakhpur	Uttar Pradesh	Mini Zoo
172.	Deer Park, Narain Tewari Dewal (Almora Zoo)	Almora	Uttarakhand	Mini Zoo



S.No.	Zoo Name	City	State / Union Territory	Category
173.	Malsi Deer Park (Dehra Dun Biological Park)	Dehradun	Uttarakhand	Mini Zoo
174.	Pt. Govind Ballabh Pant High Altitude Zoo	Nainital	Uttarakhand	Small Zoo
175.	Adina Deer Park	Malda	West Bengal	Mini Zoo
176.	Ajanta Circus	Kolkata	West Bengal	Circus
177.	Alipore Zoological Garden	Kolkata	West Bengal	Medium Zoo
178.	Asiad Circus	Kolkata	West Bengal	Circus
179.	Calcutta Snake Park	Badu, Kolkata	West Bengal	Small Zoo
180.	Empire Circus	Kolkata	West Bengal	Circus
181.	Famous Circus	Kolkata	West Bengal	Circus
182.	Gar Chumuk (Ulughata) Deer Park	Howrah	West Bengal	Mini Zoo
183.	Jhargram Zoo	Jhargram	West Bengal	Small Zoo
184.	Kohinoor Circus	Kolkata	West Bengal	Circus
185.	Kumari Kangsabuti Deer Park, Bonpakuria	Bonpakuria, Bankura	West Bengal	Mini Zoo
186.	Kunjanagar Eco-Park	Jalpaiguri	West Bengal	Mini Zoo
187.	Marble Palace Zoo	Kolkata	West Bengal	Small Zoo
188.	Natraj Circus	Kolkata	West Bengal	Circus
189.	Nature Park At Toratotla Road	Kolkata	West Bengal	Rescue Center
190.	Olympic Circus	Kolkata	West Bengal	Circus
191.	Padmaja Naidu Himalayan Zoological Park	Darjeeling	West Bengal	Small Zoo
192.	Pugmarks - Pfa Sanitketan Rescue Centre	Kolkata	West Bengal	Rescue Center



S.No.	Zoo Name	City	State / Union Territory	Category
193.	Purulia Mini Zoo, Surulia	Purulia	West Bengal	Mini Zoo
194.	Ramnabagan Mini Zoo	Burdwan	West Bengal	Mini Zoo
195.	Rasikbeel Mini Zoo	Cochbihar	West Bengal	Mini Zoo
196.	South Khairbari Leopard Safari And Rehabilitation Centre	Madarihat	West Bengal	Mini Zoo
197.	West Bengal Snake Park & Laboratory, Badu	Badu, Kolkata	West Bengal	Small Zoo



Black Buck (*Antelope cervicapra*) at Nehru Zoological Park, Hyderabad

Photo Credit: Muskam Sandeep



4.3 Conservation Breeding Programme

The Central Zoo Authority is coordinating a flagship programme of planned Conservation Breeding of 73 identified critically endangered wild animal species in Indian zoos. Among these species Cheer pheasant, Red Panda, Mouse deer, Hoolock gibbon, Clouded leopard, Spectacle langur, Pig tailed macaque and Vulture etc. are breeding well in the captivity.

Details of the financial assistance provided under the Conservation Breeding Programme are given below:



Mouse Deer (*Moschiola indica*) at Nehru Zoological Park, Hyderabad
Photo Credit: Muskam Sandeep



Golden Langur (*Trachypithecus geei*) at Assam State Zoo, Guwahati
Photo Credit: Chandan K. Bora



Slender-billed Vulture (*gyps sp.*) at Vulture Conservation Breeding Centre, Pinjore
Photo Credit: Dr. Vibhu Prakash



Indian Pangolin (*Manis crassicaudata*) at Nandankanan Biological Park, Odisha
Photo Credit: Rajesh K. Mohapatra



Western Tragopan (*Tragopan melanocephalus*) at Sarahan Pheasantry
Photo Credit: Dr. Brij Kishor Gupta



One horned Rhinoceros (*Rhinoceros unicornis*) at Assam State Zoo, Guwahati
Photo Credit: Chandan K. Bora



S.No.	Name of zoo	Species	Activity	Amount in ₹ (lakhs)
1.	Additional grant to Padmaja Naidu Himalayan Zoological Park, Darjeeling	Red Panda	Soft release	5.91
2.	Vulture Conservation Breeding Centre, Pinjore, Haryana	Vulture Species	For Conservation Breeding centre	57.80
3.	Sepahijala Zoological Park, Sepahijala, Tripura	Clouded leopard, Spectacle langur and Pig tailed macaque	Various Activities like feed & upkeep, behavioral study and development works etc.	82.49
4.	Kohima Zoo, Kohima, Nagaland	Blyth's tragopan	Various research and survey activities, installation of CCTV cameras at Conservation breeding centre	9.12 for three years
5.	Padmaja Naidu Himalayan Zoological Park, Darjeeling	Pheasant	Enrichment of Pheasant breeding centre at Dowhill, Kursong	7.77
6.	Nehru Zoological Park, Hyderabad	Mouse Deer	Expansion of Mouse Deer Conservation Breeding Facility	20.00
7.	Biological Park, Itanagar	Hoolock gibbon	Various Activities like feed & upkeep etc.	1.94

Target is to have at least 100 properly bred and genetically, physically and behaviorally healthy individuals of each targeted species in captivity in India for proper display and as insurance for future exigencies.



4.4 Exchange/Transfer of animals by zoos approved by CZA

35 exchange proposals of animals between Indian zoos and 12 exchange proposals between Indian and foreign zoos have been approved by the authority during the year 2012-13.

4.4.1 Exchange of animals between Indian Zoos

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
1.	Rajiv Gandhi Zoological Park, Pune	Gandhi Zoological Park, Gwalior
	Sloth bear 1:0	-- ----
2.	Sri Chamarajendra Zoological Gardens, Mysore	Nehru Zoological Park, Hyderabad
	Indian gaur 0:2	Jaguar 1:0
	---	Mouse deer 1:0
3.	Indira Gandhi Zoological Park, Visakhapatnam	Arignar Anna Zoological Park, Vandalur, Chennai
	Royal Bengal tiger 0:1	Indian gaur 0:1
4.	Amangarh Range of Bijnor District	National Zoological Park, Delhi
	Leopard 0:2	
5.	Nehru Zoological Park, Hyderabad	Dr. Shivaram Karanth Pilikula Biological Park, Mangalore
	Mouse deer 1:0	Mouse deer 0:1
	Sloth bear 1:1	King cobra 1:1
	Grey pelican 1:1	Whittaker boa 1:1
6.	Rajiv Gandhi Zoological Park and Wildlife Research Centre, Katraj, Pune	Bondla Zoo, Bondla, Goa
	Blackbuck 3:4	---
7.	Sepahijala Zoological Park, Agartala, Tripura	Aizawl Zoo, Aizawl, Mizoram
	Clouded leopard 1:1	Clouded leopard 0:1



Sl. No.	Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
	Binturong	0:1	Hoolock gibbon	0:1
	---	---	Binturong	1:0
8.	Sakkarbaug Zoo, Junagadh		Rajkot Zoo, Rajkot	
	Sloth bear	1:1	---	---
	Leopard	1:1	---	---
	Chinkara	1:1	---	---
	Chausinga	1:2	---	---
	Rhesus macaque	1:1	---	---
	Bonnet macaque	1:1	---	---
	Marsh crocodile	0:2	---	---
	Rosy pelican	0:0:3	---	---
9.	Sri Chamarajendra Zoological Gardens, Mysore		Indira Gandhi Zoological Park, Visakhapatnam	
	Wild dog	1:1	Wild dog	1:1
10.	Sri Chamarajendra Zoological Gardens, Mysore		Nandankanan Biological Park, Bhubaneswar	
	Cassowary	1:0	Cassowary	0:1
	Black swan	1:1	Open bill stork	2:2
	---	---	Water Monitor lizard	2:2
11.	Sri Chamarajendra Zoological Gardens, Mysore		Nehru Zoological Park, Hyderabad	
	Wolves	1:1	Sloth bear	1:1
	Mouse deer	0:1	Mouse deer	1:0
	Eclectus parrot	1:1	Leaf turtle	2:2
	Black swan	1:1	Purple heron	2:2
	Marmoset	0:1	Marmoset	1:0



SI. No.	Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
12.	Sakkarbaug Zoo, Junagadh		Indroda Nature Park, Gandhinagar	
	Leopard	1:0	Leopard	1:0
	Jackal	1:0	Jackal	1:0
13.	Madras Crocodile Bank Trust, Mamallapuram		Dr. Shivaram Karanth Pilikula Biological Park, Mangalore	
	Siamese crocodile	0:0:3	Indian cobra	0:2:0
	Spectacled caiman	0:0:2	Whitaker's sand boa	0:0:5
	Gharial	0:0:3	---	---
14.	Van Vihar National Park-Zoo, Bhopal		Jaipur Zoo, Jaipur	
	Royal Bengal tiger	1:0	Tiger	0:1
15.	Kanpur Zoological Park, Kanpur		Nehru Zoological Park, Hyderabad	
	Thamin deer	1:1	Asiatic lion	1:1
	Hyena	1:1	Golden pheasants	1:2
	Rhinoceros	1:0	---	---
16.	Sakkarbaug Zoo, Junagadh		Lion Safari, Vasona	
	Asiatic lion	2:2	---	---
17.	Sakkarbaug Zoo, Junagadh		Nandankanan Biological Park, Bhubaneswar	
	Asiatic lion	1:1	--	---
	Panther	1:1	---	---
18.	Himalayan Nature Park, Kufri		Padmaja Naidu Himalayan Zoological Park, Darjeeling	
	Snow leopard	1:0		
19.	Sepahijala Zoological Park, Agartala, Tripura		Aizawl, Aizawl, Mizoram	
	Clouded leopard	1:1	Clouded leopard Local ID-23	0:1
	Binturong	0:1	Binturong Local ID 10	1:0



Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
		Hoolock gibbon Animal ID 98102057696 0:1
20.	Lucknow Zoological Gardens, Lucknow	Jaldapara National Park, West Bengal
	Swamp deer 2:3	-- --
21.	Thiruvananthapuram Zoo, Thiruvananthapuram	Indira Gandhi Zoological Park, Visakhapatnam
	Lion tailed macaque 1:2	White tiger 1:2
	Hog deer 2:4	---
22.	National Zoological Park, Delhi	Kanan Pendari Zoo, Bilaspur
	Brow antler deer 2:2	Four horned antelope 2:0
	Hog deer 2:3	Hyena 1:1
	Red jungle fowl 5:5	Jungle cat 1:1
	Emu 2:2	Screech owl 2:2
	----	Grey partridges 2:3
23.	Rajkot Zoological Park, Rajkot	M. C. Zoological Park, Chhatbir
	----	Chinkara 2:2
	----	Spot billed duck 0:0:5
	----	Painted stork 2:5
24.	M. C. Zoological Park, Chhatbir	National Zoological Park, Delhi
	----	Asiatic lion 1:0
	----	Red Jungle fowl 5:5
25.	Sir Peter Scott Nature Park, Jamnagar	Assam State Zoo, Guwahati
	Black buck 3:5	----
26.	Nehru Zoological Park, Hyderabad	Sakkarbaug Zoo, Junagadh
	White tiger 1:1	Wild ass 1:1
	Mouse deer 1:2	White backed Vultures 3:3



Sl. No.	Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
	Common fox	0:1	Spoon bills	0:2
	Golden pheasant	2:1	White peafowl	1:1
	Grey jungle fowl	1:1	---	---
	Green whip snake	1:1	---	---
27.	Sakkarbaug Zoo, Junagadh		Lion Safari, Vasona	
	Asiatic lion	2:2	---	---
28.	Sakkarbaug Zoo, Junagadh		Nandankanan Biological Park, Bhubaneswar	
	Asiatic lion	1:1	---	---
	Panther	1:1	---	---
29.	Sakkarbaug Zoo, Junagadh		M.C. Zoological Park, Chhatbir	
	Asiatic lion	1:0	Sarus crane	0:1
	Leopard	1:1	Red jungle fowl	2:2
	White peafowl	1:1	Goral	1:1
	White spoonbill	2:2	Spot billed duck	0:0:4
	White ibis	2:2	Shikra	0:0:2
	---	---	Zebra finch	0:0:8
	---	---	Black pigeon Jacobin	0:0:6
30.	Kanpur Zoological Park, Kanpur		Nehru Zoological Park, Hyderabad	
	Thamin deer	1:1	Asiatic lion	1:1
	Hyena	1:1	Golden pheasants	1:2
31.	Biological Park, Itanagar		Bhagwan Birsa Biological Park, Ranchi	
	Royal Bengal tiger	1:1	Spotted deer	3:4
	Spotted dove	3:3	Blackbuck	3:4



Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given	
32.	Dr. Shivaram Karanth Pilikula Biological Park, Mangalore	Chennai Snake Park, Chennai	
	Indian rock python	2:2	Reticulated python 2:2
	Whitakers boa	0:0:2	---
33.	Lucknow Zoological Garden, Lucknow	Rajkot Zoo, Rajkot	
	Gharial	1:2	Asiatic lion 1:1
	Hyena	2:2	---
	Kalij pheasant	2:2	---
	Silver pheasant	2:2	---
	Golden pheasant	2:2	---
	Ring necked pheasant	2:2	---
	Rosy pelican	1:1	---
	Palm civet cat	1:1	---
	Cockateal	10:10	---
34.	Bondla Zoo, Goa	Sri Chamarajendra Zoological Gardens, Mysore	
	Sloth bear	1:1	Hippopotamus 1:1
	---	---	Silver pheasant 1:2
	---	---	White peafowl 1:1
	---	---	Ring necked pheasant 1:1
	---	---	Lady Amherst pheasant 1:2
35.	Rajiv Gandhi Zoological Park, Katraj, Pune	Sri Chamarajendra Zoological Gardens, Mysore	
	Sloth bear	1:1	Wolf 1:0



4.4.2 Exchange proposal between Indian Zoos & Foreign Zoos

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
1.	Augsburg Zoo, Germany	Padmaja Naidu Himalayan Zoological Park, Darjeeling
	Markhor (<i>Capra falconer</i>) 2:4:0	---
2.	Zoo Negara, Malaysia	Indira Gandhi Zoological Park, Visakhapatnam
	Giraffe (<i>G. camelopardalis</i>) 1:2	White tigers (<i>P. t. tigris</i>) 1:2
3.	Singapore Zoological Gardens, Singapore	Sri Chamarajendra Zoological Gardens, Mysore
	Chimpanzee (<i>Pan troglodytes</i>) 2:1:0	Sloth bear (<i>M. ursinus</i>) 1:1:0
	Bat eared fox (<i>Otocyon megalotis</i>) 2:2:0	Lion tailed macaque (<i>M. silenus</i>) 1:0:0
	Meerkat (<i>Suricata suricatta</i>) 1:1:0	Emu (<i>D. novaehollandiae</i>) 1:1:0
4.	Zoo Vienna, Vienna	Madras Crocodile Bank Trust, Chennai
	Northern river terrapin (<i>Batagur baska</i>) 1:0:0	Red crowned roof turtle (<i>Batagur kachuga</i>) 0:1:5
	Mexican Giant Musk Turtle (<i>S. triporcatus</i>) 1:0:0	---
5.	The Tisch Family Zoological Gardens, Israel	Indira Gandhi Zoological Park, Visakhapatnam
	Chimpanzee (<i>Pan troglodytes</i>) 2:0	---
	Ringtailed lemur (<i>Lemur catta</i>) 3:3	---
	Mandrill (<i>Mandrillas sphinx</i>) 4:0	---
	Geoffroy's Marmoset (<i>Callithrix geoffroyi</i>) 2:2	---
6.	Jhiava Zoo, Czech Republic	Padmaja Naidu Himalayan Zoological Park, Darjeeling
	Snow leopard (<i>Panthera uncia</i>) 1:0	---



Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
7.	Saudi Wildlife Authority Saudi Arabia	Nehru Zoological Park, Hyderabad
	African lion (<i>Panthera leo</i>) 1:1	---
	African Cheetah (<i>Acinonyx jubatus</i>) 1:1	---
8.	Dehiwala Zoo, Sri Lanka	Thiruvananthapuram Zoo , Thiruvananthapuram
	Anacondas (<i>Eunectes murinus</i>) 1:6	---
9.	Lodz Zoo, Poland	Padmaja Naidu Himalayan Zoological Park, Darjeeling
	Snow leopard (<i>Panthera uncia</i>) 0:2	---
10.	Dierenpark/ Zoo Emmen, Netherland	Madras Crocodile Bank Trust, Mamallapuram
	Slender-snouted crocodile (<i>Crocodylus cataphractus</i>) 1:1	Gharial (<i>Gavialis gangeticus</i>) 1:3
11.	Krasnoyarsk Biota Park "Roev Ruchey"(Russia)	National Zoological Park, New Delhi
	Puma (<i>Felis concolor</i>) 1:1	White tiger (<i>Panthera tigris</i>) 1:1
12.	Colombo Zoo, Sri Lanka	Indira Gandhi Zoological Park, Visakhapatnam
	Fishing cat (<i>Prionailurus viverrinus</i>) 2:2	Black buck (<i>A. cervicapra</i>) 3:7
	Pigmy Hippopotamus (<i>C. liberiensis</i>) 1:1	Emu (<i>D. novaehollandiae</i>) 2:2



Brown bear (*Ursus arctos*) at Himalayan Nature Park, Kufri
Photo Credit: Dr Brij Kishor Gupta



Himalayan Serow (*Capricornis thar*) at Assam State Zoo, Guwahati
Photo Credit: Chandan K. Bora



4.5 Maintenance of Studbooks

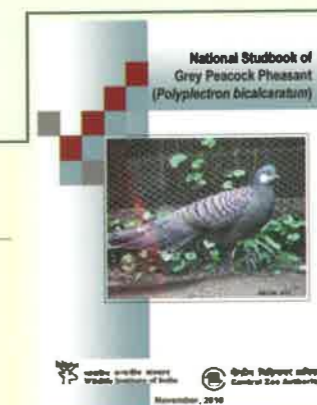
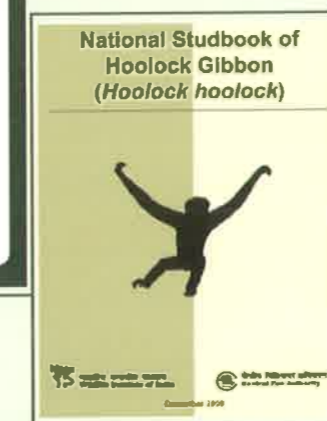
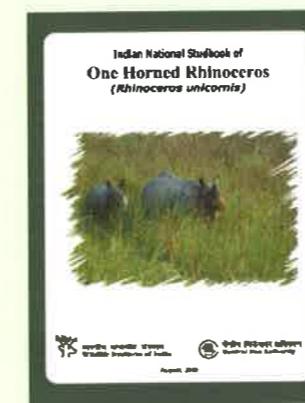
The Central Zoo Authority is compiling the National studbooks/animal profiles of 45 species taken up under the Conservation Breeding Programme. The Wildlife Institute of India, Dehradun has submitted final report to zoos and CZA on preparation and updating the National studbooks of 14 of 45 identified wild animal species. The CZA has also approved financial grant of 52.67 lakhs for Wildlife Institute of India, Dehradun for preparing and updating studbooks of 34 endangered species (14 old and 20 new) for five year period.

To facilitate the scientific and coordinated conservation breeding of endangered species in zoos; the Central Zoo Authority has also compiled the National studbooks/animal profiles of around 45 species under the conservation breeding programme as per the list given below:

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 (*Helactos 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 (*Lutra lutra*)
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 benegalensis*)



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*)
45. Blue Sheep (*Pseudois nayaur*)





4.6. Improved Planning Process of Zoos

4.6.1 Master Plan

The Central Zoo Authority is assisting recognized zoos in finalization of Master plans for detailed long term future development. The Central Zoo Authority has received 165 detailed Master Plans. The CZA is also reviewing the previously granted approval for master layout plans of 49 zoos and master plan of the 31 zoos to ensure the more insight of CZA for better development of the zoos.

During the current financial year; CZA has approved master plan of the 14 zoos in addition to earlier approved 17 as given below:-

S.No.	Name of the Zoo
1.	Biological Park, Itanagar, Arunachal Pradesh
2.	Assam State Zoo, Guwahati, Assam
3.	Sepahijala Zoological Park, Agartala.
4.	National Zoological Park, Delhi
5.	Rescue Centre at Gorewada, Maharashtra
6.	Lion Safari, Etawah, Uttar Pradesh
7.	Zoological Park at Puthur (Relocation of State Museum and Zoo, Thrissur)
8.	Sri Chamarajendra Zoological Gardens, Mysore
9.	Manipur Zoological Garden, Manipur.
10.	Zoo and Rescue Centre at Mukundpur, Satna, Madhya Pradesh
11.	People for Animals Rescue Centre, Wardha
12.	Children Park-cum-Zoo, Bellary relocation to Bilikal Reserve Forest near Kamalpur of Hospet Taluk (Atal Bihari Vajapayee Zoological Park)
13.	Arignar Anna Zoological park, Vandalur, Chennai, Tamil Nadu
14.	Rajiv Gandhi Zoological Park, Katraj, Pune, Maharashtra



4.6.2 Master (layout) Plan

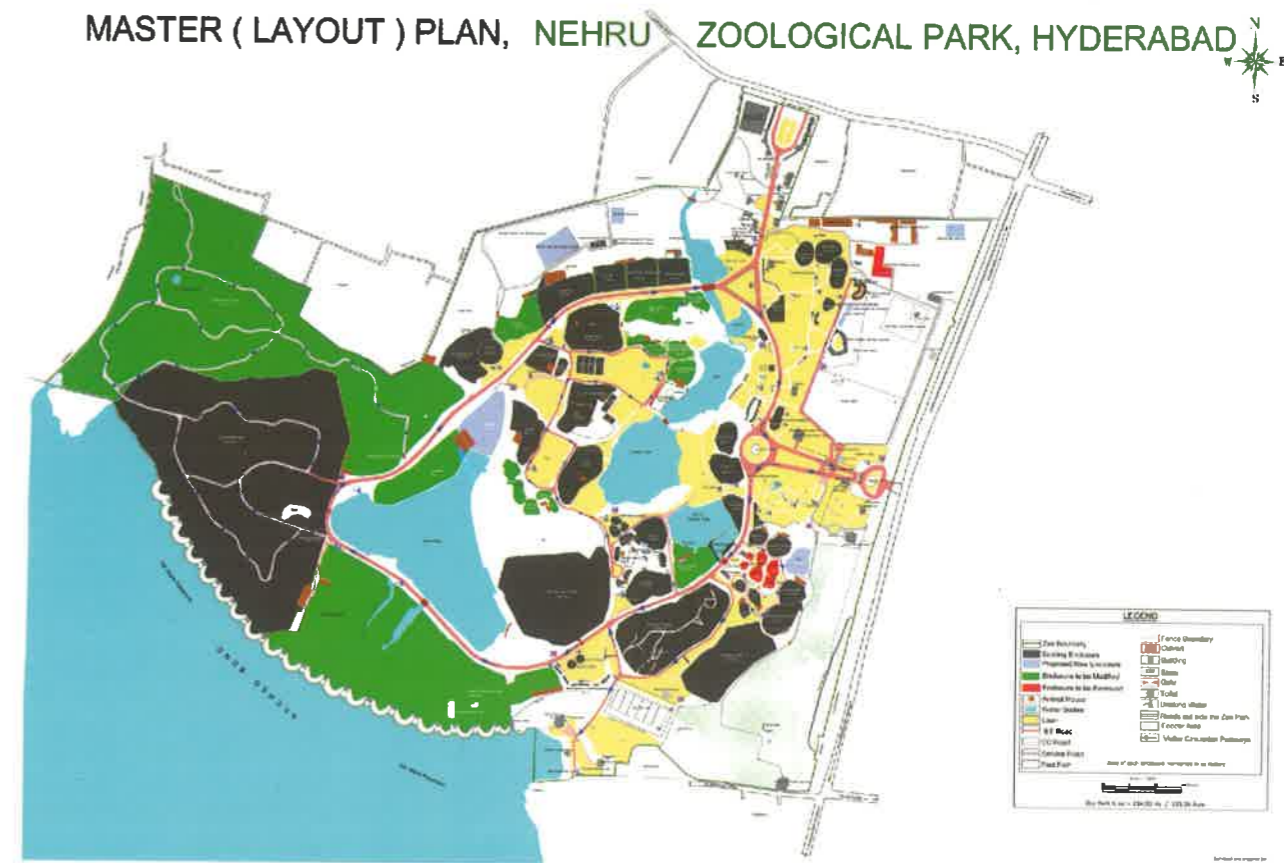
The Central Zoo Authority has also approved 29 Master (layout) plan of the following zoos till 31st March 2013 in addition to 49 previously approved:.

S.No.	Name of the Zoo
1.	Rescue Centre at Gorewada, Nagpur, Maharashtra
2.	People for Animals Rescue Centre, Wardha, Maharashtra
3.	Rajiv Gandhi Zoological Park and Wildlife Research Centre, Katraj, Pune, Maharashtra
4.	Jaipur Zoo, Jaipur, Rajasthan
5.	Deer Park, Bir Talab, Bhatinda, Punjab
6.	Dr. Shivaram Karanth Pilikula Biological Park, Mangalore, Karnataka.
7.	Relocation of state Museum and Zoo, Thrissur to Puthur, Kerala
8.	Kamla Nehru Zoological Garden, Ahmedabad
9.	Thiruvananthapuram Zoo, Thiruvananthapuram
10.	Relocation of Nandan Van Zoo, Raipur to Naya Raipur (Jungle Safari)
11.	Lion Safari, Etawah, Uttar Pradesh
12.	Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal
13.	Panther Safari, Roha, Maharashtra
14.	Arignar Anna Zoological Park, Vandalur, Chennai, Tamil Nadu
15.	Himalayan Zoological Park, Gangtok, Sikkim
16.	Dr. Shivaram Karanth Pilikula Biological Park, Mangalore, Karnataka
17.	Sri Venkateswara Zoological Park, Tirupati, Andhra Pradesh
18.	V.J.B. Udyan Zoo, Byculla, Mumbai
19.	Zoo and Rescue Centre at Gorewada, Maharashtra
20.	Sri Chamarajendra Zoological Gardens, Mysore, Karnataka
21.	Relocation of Bellary Zoo, Bellary to Atal Bihari Vijapayee Zoological Park in Bilikal
22.	Reserve Forests, Kamalapur near Hospet, Bellary
23.	Thiruvananthapuram Zoo, Thiruvananthapuram, Kerala



S.No.	Name of the Zoo
24.	Madras Crocodile Bank Trust, Mamallapuram, Tamil Nadu
25.	Rescue Centre and Zoo, Mukundpur, Satna, Madhya Pradesh
26.	Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh
27.	State Zoo, Umtrew, Meghalaya
28.	Sri A. N. Jha Deer Park, Hauz Khas, New Delhi.
29.	Rajkot Municipal Zoo, Rajkot (revised)

MASTER (LAYOUT) PLAN, NEHRU ZOOLOGICAL PARK, HYDERABAD





4.6.3 Master Plans Under Consideration

The following zoos have submitted their master/layout plans to CZA for consideration :

S.No.	Name of the Zoo
1.	Biological Park, Chidyatapu Port Blair, Andaman & Nicobar
2.	Deer Park- Satyam Technology Centre, Ranga Reddy, Andhra Pradesh
3.	Deer Park, Chittoor Reserve Forest, Chittoor (East) Division, Andhra Pradesh
4.	Deer Park, Kandaleru, Andhra Pradesh
5.	Deer Park, Kesoram Cement, Basant Nagar, Andhra Pradesh
6.	Deer Park, NFCL Green Belt, Kakinada, Andhra Pradesh
7.	G.V.K. Industries Deer Park, Hyderabad, Andhra Pradesh
8.	Himayat Sagar Mini Zoo, Ranga Reddy, Andhra Pradesh
9.	Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh
10.	Karimnagar Deer Park, Karimnagar, Andhra Pradesh
11.	Kinnerasari Deer Park, Kinnerasari, Andhra Pradesh
12.	Nehru Zoological Park, Hyderabad, Andhra Pradesh
13.	Pillalamarri Deer Park, Mahabub Nagar, Andhra Pradesh
14.	Sanghi Deer Park, Sanghi Nagar, Andhra Pradesh
15.	Sri Venkateswara Zoological Park, Tirupati, Andhra Pradesh
16.	Vanavigyan Kendra, Hunter Road, Hanamkonda, Warangal, Andhra Pradesh
17.	Karuna Society for Animals & Nature-Rescue Centre, Dist. Anantapur, Andhra Pradesh
18.	Visakha Society for Protection & Care of Animals, Visakhapatnam, Andhra Pradesh
19.	Centre for Bear Rehabilitation and Conservation, Pakke, Arunachal Pradesh
20.	Miao Mini Zoo, Miao, Arunachal Pradesh
21.	Mini Zoo, Roing, Roing, Arunachal Pradesh
22.	Biological Park Itanagar, Itanagar, Arunachal Pradesh



S.No.	Name of the Zoo
23.	Assam State Zoo cum Botanical Garden, Guwahati, Assam
24.	Bijni Deer Park, Bongaigaon, Assam
25.	Centre for Wildlife Rehabilitation and Conservation, Golaghat, Assam
26.	Sanjay Gandhi Biological Park, Patna, Bihar
27.	Kanan Pandari Zoo, Bilaspur, Chhattisgarh
28.	Maitri Baagh Zoo, Bhilai, Chhattisgarh
29.	Nandan Van Zoo, Raipur, Chhattisgarh
30.	Lion Safari, Vasona, Dadar Nagar Haveli
31.	A. N. Jha Deer Park, Hauz Khaz, Delhi
32.	National Zoological Park, Delhi
33.	Bondla Zoo, Usgao, Goa
34.	Indroda Nature Park, Gandhi Nagar, Gujarat
35.	Kamla Nehru Zoological Garden, Ahmedabad, Gujarat
36.	Sakkarbaug Zoo, Junagarh, Gujarat
37.	Sayaji Bag Zoo (Ajwa Zoological park), Vadodara, Gujarat
38.	Sundarvan Nature Discovery Centre, Jodhpur Tekra (Ahmedabad), Gujarat
39.	Dr. Shyamaprasad Mukharjee Zoological Garden, Surat, Gujarat
40.	Rajkot Zoo, Rajkot, Gujarat
41.	Deer Park, Hissar, Haryana
42.	Mini Zoo, Bhiwani, Haryana
43.	Mini Zoo, Pipli, Haryana
44.	Rohtak Zoo, Rohtak, Haryana
45.	Wildlife Rescue Centre(Gopalpur), Gurgaon, Haryana
46.	Vulture Conservation Breeding Center, Pinjore, Haryana
47.	Dhauladhar Nature Park, Gopalpur, Himachal Pradesh
48.	Rescue and Rehabilitation Home, Tutikandi, Himachal Pradesh



S.No.	Name of the Zoo
49.	Himalayan Nature Park, Kufri, Himachal Pradesh
50.	Rewalsar Mini Zoo, Mandi, Himachal Pradesh
51.	Nehru Pheasantary, Mandi, Himachal Pradesh
52.	Bhagwan Birsa Biological Park (Birsa Munda), Ranchi, Jharkhand
53.	Birsa Mrig Vihar, Kalimati, Jharkhand
54.	Jawaharlal Nehru Biological Park, Bokaro, Jharkhand
55.	Tata Steel Zoological Park, Jamshedpur, Jharkhand
56.	Mugger Breeding Centre (Muta Zoo), Jharkhand
57.	Deer Park, NMDC Ltd., Donimalai, Karnataka
58.	Mini Zoo Adumalleshwar Gudi Balvana, Chitradurga, Karnataka
59.	Mini Zoo at Gendekatte, Hassan, Karnataka
60.	Mini Zoo cum Children Park, Gulbarga, Karnataka
61.	Namadachilume Deer Park, Tumkur, Karnataka
62.	National Park, Bannerghatta Zoological Garden, Bangalore, Karnataka
63.	Night Safari, Bannerghatta Biologica Park, Bengaluru, Karnataka
64.	Sri Chamarajendra Zoological Gardens, Mysore, Karnataka
65.	Tungabhadra Dam Mini Zoo, Bellary, Karnataka
66.	Wildlife Rescue & Rehabilitation Centre, Bangalore, Karnataka
67.	Dr. K. Shivarma Karanth Pilikula Biological Park, Mangalore, Karnataka
68.	Tiger & Lion Safari, Shimoga, Karnataka
69.	Children Park & Zoo (Gadag Zoo), Karnataka
70.	Bellary Childrens Park-cum-zoo (BELLARY ZOO) (Atal Bihari), Karnataka
71.	Kittur Rani Cannamma Nisarg Dhama Mini Zoo, Belgaum, Karnataka
72.	Indira Priyadarshini Sangrahalaya, Anagodu, Davangere Taluk, Karnataka
73.	People For Animals - Rescue Centre, Bangalore, Karnataka
74.	Hill Palace Zoo, Ernakulam, Kerala



S.No.	Name of the Zoo
75.	Snake Park, Malampuzha, Kerala
76.	State Museum & Zoo, Thrissur (Puthur Zoo), Kerala
77.	Thiruvananthapuram Zoo, Kerala
78.	Kodanadu Zoo, Kerala
79.	Sri Lok Nayak Jaya Prakash Narayan Smrity Van Deer Park, Walayar , Kerala
80.	Parassinikkadavu Reptile Parl, Kanur, Kerala
81.	Gandhi Zoological Park, Gwalior, Madhya Pradesh
82.	Kamla Nehru Prani Sanghralaya Zoo, Indore , Madhya Pradesh
83.	Van Vihar National Park Zoo, Bhopal, Madhya Pradesh
84.	Aurangabad Municipal Zoo, Maharashtra
85.	Leopard Rescue Centre, Manikdoh (Junnar), Maharashtra
86.	Maharaja Shahaji Chhatrapati Zoo, Kolhapur, Maharashtra
87.	Maharajbag Zoo, Nagpur, Maharashtra
88.	People for Animals, Shelter House, Wardha, Maharashtra
89.	Snake Park, Shikshan Mandal, Kolhapur, Maharashtra
90.	Veer mata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra
91.	Rajiv Gandhi Zoological Park & Wildlife Research Center, Pune, Maharashtra
92.	Nisargakavi Bahinabai Choudhary Pranisanghalaya (pimpri Chinchwad), Maharashtra
93.	Mahatma Gandhi Rashtriya Udyan Zoo, Solapur, Maharashtra
94.	Amtes Animal Ark, Wardha, Maharashtra
95.	Sanjay Gandhi National Park & Zoo, Borivali, Maharashtra
96.	Manipur Zoological Garden, Imphal, Manipur
97.	Lady Hydari Park Animal Land (Meghalaya Zoo), Umtrew , Shillong, Meghalaya
98.	Tenzawl Deer Park, Mizoram
99.	Aizawl Zoo (Mizoram Zoo), Maharashtra
100.	Nagaland Zoological Park, Rangapahar, Dimapur, Nagaland



S.No.	Name of the Zoo
101.	Deer Park, Berhampur Unit (Bhanja Bihar Deer Park), Odisha
102.	Deer Park Papadahandi, Nabarangpur, Odisha
103.	Gharial Research & Conservation Unit, Tikarapara, Odisha
104.	H.A.L. Deer Park, Koraput, Sunabeda, Odisha
105.	Harishankar Deer Park, Balangir, Odisha
106.	Kapilash Zoo, Dhenkanal, Odisha
107.	Municipality Deer Park, Cuttack, Odisha
108.	Nandankanan Biological Park, Bhubaneshwar, Odisha
109.	Taptapani Deer Park, Parlakhemundi, Odisha
110.	Indira Gandhi Park Zoo, Rourkela, Odisha
111.	Wild Animal Conservation Center, Mothijharan, Sambalpur, Odisha
112.	Kuanria Deer Park, Nayagarh Forest Division, Odisha
113.	Deer Park, Bir Talab, Bhatinda, Punjab
114.	Deer Park, Neelon, Ludhiana, Punjab
115.	Ludhiana Zoo, Ludhiana, Punjab
116.	Mahendra Chaudhury Zoological Park, Chhatbir, Punjab
117.	Deer Park, Bir Moti Bagh, Patiala Zoo, Punjab
118.	Bikaner Zoo, Bikaner, Rajasthan
119.	Deer Park, Shri Goverdhan Trust, Udaipur, Rajasthan
120.	Jaipur Zoo, Nahargarh Zoological Park, Rajasthan
121.	Jodhpur Zoo (Machia Biological Park), Rajasthan
122.	Kota Zoo, Rajasthan
123.	Panchwati Deer Park, Pilani, Rajasthan
124.	Safari Park, Haridasji-ki-Magari Udaipur, Rajasthan
125.	Sajjangarh Biological Park, Udaipur Zoo, Rajasthan
126.	Himalayan Zoological Park, Bulbuley, Gangtok, Sikkim



S.No.	Name of the Zoo
127.	Amirthi Zoo, Vellore, Tamil Nadu
128.	Arignar Anna Zoological Park, Vandalur, Chennai, Tamil Nadu
129.	Chennai Snake Park Trust, Guindy, Chennai, Tamil Nadu
130.	Childrens Corner, Guindy, Chennai, Tamil Nadu
131.	Kurumbapatti Zoological Park, Salem, Tamil Nadu
132.	Madras Crocodile Bank Trust/Centre For Herpetology, Mahabalipuram, Tamil Nadu
133.	Shivganga Garden Mini Zoo, Thanjavur, Tamil Nadu
134.	Nilgiri Mini Zoo and Breeding Centre, Tiruchirapalli, Tamil Nadu
135.	Sepahijala Zooloigcal Park, Agartala , Tripura
136.	Kanpur Zoological Park, Kanpur, Uttar Pradesh
137.	Lucknow Zoological Park, Uttar Pradesh
138.	Nawabganj Deer Park, Uttar Pradesh
139.	Sarnath Deer Park, Uttar Pradesh
140.	Van Prani Udyan, IVRI, Izatnagar, Bareilly, Uttar Pradesh
141.	Vinod Van Mini Zoo, Ramgarh Gorakhpur Zoological Park, Gorakhpur, Uttar Pradesh
142.	Deer Park, IFFCO Township, Anda, Bareilly, Uttar Pradesh
143.	Agra Bear Rescue Facility, Agra, Uttar Pradesh
144.	Pt. Govind Ballabh Pant High altitude Zoo, Nainital, Uttarakhand
145.	Malsi Deer Park (Dehradun Biological Park), Dehradun, Uttarakhand
146.	Deer Park, Narain Tewari Dewal (Almora Zoo) , Uttarakhand
147.	Adina Deer Park, Malda, West Bengal
148.	Alipore Zoological Garden, Kolkata , West Bengal
149.	Calcutta Snake Park, Badu, Kolkata , West Bengal
150.	Gar Chumuk (Ulughata) Deer Park, Howraha, West Bengal
151.	Kumari Kangsabuti Deer Park, Bonpakuria, Bankura, West Bengal
152.	Nature Park at Taratala Road, Kolkata , West Bengal



S.No.	Name of the Zoo
153.	Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal
154.	Pugmarks-PFA Sanitiniketan Rescue Centre, Kolkata, West Bengal
155.	West Bengal Snake Park & Laboratory, Badu, Kolkata, West Bengal
156.	Kunjanagar Eco-Park, Jalpaiguri, West Bengal
157.	South Khairbari Leopard Safari and Rehabilitation Centre, Madarihat
158.	Jhargram Zoo, West Bengal
159.	Ramnabagan Mini Zoo, Burdwan, West Bengal
160.	Purulia Mini Zoo, Surulia, Purulia, West Bengal
161.	Rasikbeel Mini Zoo, Cochbihar, West Bengal
162.	Manyavar Kanshiram prani Udyan, Gorakhpur, Uttar Pradesh
163.	Tiruchirappalli Zoo, Tamil Nadu
164.	Satna Zoo, Madhya Pradesh
165.	Rescue Centre at Gorewada, Gorewada



Clouded Leopard (*Neofelis nebulosa*) at Assam State Zoo, Guwahati

Photo Credit: Dr. Brij Kishor Gupta



4.7 Housing of Indian Elephants by the Zoos

The Central Zoo Authority had issued an advisory vide letter dated 7th November, 2009 banning housing of elephants in Zoos. 30 nos. of elephants were rehabilitated from zoos to various forest camps of Wildlife Sanctuaries and rescue and rehabilitation centres for elephants by number of zoos in consultation with Chief Wildlife Warden concerns. At the same time in return 21 zoos had filed their application to exempt them from the advisory issued by CZA. As such with approval of the competent authority an "appraisal committee" consisting of following four members was constituted to carry out field appraisal of the zoos and inspect the elephant housing facilities (1) Sh. Kartick Satyanarayan, (2) Mrs. Suparna Bakshi Ganguly, (3) Dr. K.K. Sharma, (4) Representative of CZA.

The detail report submitted by appraisal committee was placed in 62nd meeting of Technical Committee of CZA subsequently in 26th meeting of CZA and got further perused by a sub-committee headed by Sh. S.K. Patnaik, Member, CZA and as advised a "Consultative committee meeting of stakeholders" was held on 18th March 2013 where member of Central Zoo Authority (CZA), Animal Welfare Board of India (AWBI) & members from various NGOs viz. People for the Ethical Treatment of Animal (PETA), People for Animal (PFA) participated. The report was discussed in detail and recommended for according permission for retaining elephants in following (15) zoos with improvement of facility/carrying capacity and its maintenance as per guidelines and protocols and 2 zoos subject to further inspection and 4 zoo to shift their elephant:

1. **Arignar Anna Zoological Park, Vandalur, Chennai, Tamil Nadu** - Recommended to retain 4 (4:0) elephants subject to increase the area for elephants to 25 hac., where not more than 12 elephants can be housed at any point of time. The facility should act as an elephant care centre.
2. **Assam State Zoo, Guwahati, Assam**- Recommended to retain existing 3 (0:3) elephants subject to increase of the area for elephants to 10 hac., where not more than 6 elephants should be housed at any point of time. The facility should act as an elephant care centre.
3. **Bhagwan Birsa Biological Park, Ranchi, Jharkhand** - Recommended to retain existing 3 (2:1) elephants subject to increase of the area for elephants to 10 hac., where not more than 5 elephants should be housed at any point of time. The facility should act as an elephant care centre.



4. **Nandankanan Biological Park, Bhubaneswar, Odisha** - Recommended to retain existing 7 (2:5) elephants subject to increase the area for elephants to 8 hac. The facility should act as an elephant care centre.
5. **Kamla Nehru Prani Sangrahalaya, Indore, Madhya Pradesh** - Recommended to retain existing 2 (1:1) elephants subject to increase of the area for elephants to 3 hac., where not more than 3 elephants should be housed at any point of time. The facility should act as a elephant care centre.
6. **Bannerghatta Biological Park, Bengaluru, Karnataka** - Recommended to retain existing 11 (2:9) elephants subject to increase the area for elephants to 30 hac. Where not more than 15 elephants should be housed at any point of time. The facility should act as an elephant care centre.
7. **Sri Chamarajendra Zoological Garden, Mysore, Karnataka** - Recommended to retain existing 8 (3:5) elephants subject to increase of the area for elephants to 10 hac. where not more than 5 elephants should be housed at any point of time. The facility should be created at Karanji Lake. The facility should act as an elephant care centre.
8. **National Zoological Park, New Delhi** - Recommended to retain existing 3 (2:1) elephants subject to increase of the area for elephants to 5 hac. Where not more than 3 elephants should be housed at any point of time. The facility should act as an elephant care centre.
9. **Rajiv Gandhi Zoological Park and Wildlife Research Centre, Pune, Maharashtra** - Recommended to retain existing 2 (0:2) elephants subject to increase the area for elephants to 4 hac., where not more than 5 elephants should be housed at any point of time. The facility should act as an elephant care centre.
10. **Thiruvananthapuram Zoo, Thiruvananthapuram, Kerala** - Recommended to retain 1 (0:1) old female elephant as she is too old for shifting. The male, who is much younger to her, should be shifted to the Kappukad Elephant Centre in the state at the earliest.
11. **M.C. Zoological Park, Chhatbir, Punjab** - Recommended to retain existing 6 (2:4) elephants subject to increase the area for elephants to 8 hac., where not more than 6 elephants should be housed at any point of time.



12. **Nehru Zoological Park, Hyderabad, Andhra Pradesh** - Recommended to retain existing 5 (1:4) elephants subject to increase the area for elephants to 8 hac., where not more than 5 elephants should be housed at any point of time.
13. **Kapilash Mini Zoo, Denkanal, Odisha** - The elephants are housed in elephant camp away from zoo, hence, recommended to retain existing 3 (2:1) elephants subject to increase the area for elephants to 10 hac., where not more than 5 elephants should be housed at any point of time. The facility should act as an elephant care centre with adequate support staff. It is a good rescue center/camp.
14. **Indira Gandhi Zoological Park, Vishakhapatnam Andhra Pradesh** - Recommended to retain existing 1 (1:0) elephant subject to increase the area for elephants to 5 hac., where not more than 4 elephants should be housed at any point of time. The facility should act as an elephant care centre.
15. **Sri Venkateswara Zoological Park, Tirupati, Andhra Pradesh** - Recommended to retain 4 (2:2) elephants subject to increase the area for elephants to 10 hac., Where not more than 4 elephants should be housed at any point of time. The facility should act as an elephant care centre.

Four (4) zoos to shift their elephant:

16. **Veermata Jijabai Bhosale Udyan-Zoo, Byculla, Mumbai, Maharashtra** - not recommended to retain 0:2 elephants as there is no alternate facility available to increase the area to 1 hac. and to be shifted to forest camp.
17. **Sanjay Gandhi Biological Park, Patna, Bihar** - Since, Sanjay Gandhi Biological Park, Patna does not have adequate area, the elephant should be shifted to Bhagwan Birsa Biological Park, Ranchi.
18. **Aurangabad Municipal Zoo, Aurangabad, Maharashtra** - The elephants should be shifted to Indira Gandhi Zoological Park, Visakhapatnam as the zoo does not have adequate area for housing the elephants.
19. **Kamla Nehru Zoological Gardens, Ahmedabad, Gujarat** - As the zoo does not have adequate area for housing the lone elephant, she should be shifted to Kamla Nehru Prani Sangrahalaya, Indore.



Two (2) zoos subject to further inspection:

20. **Zoological Gardens, Alipore, West Bengal** - The decision shall be taken on receipt of undertaking from the state Government of West Bengal. The Appraisal Committee desired that the zoo should dismantle concrete flooring. For further study on dismantling of structure & availability of area Expert Members are deputed for handling study.
21. **Dr. Shivaram Karanth Pilikula Biological Park, Manglore, Karnataka** Recommended to shift existing 2 (0:2) elephants at new and away from zoo premises, increase of the area for elephants to 10 hac. The facility should act as a elephant care centre.

During the meeting the following resolutions were adopted to be followed by the Zoos for the welfare of the elephants housed in the zoos.

1. CZA upholds ban on zoos that lack space and appropriate environment for housing elephants.
2. CZA bans further intake of elephants (except elephants rescued from the wild, confiscated and old / abandoned / abused elephants, as mentioned in CZA guidelines on dealing with rescued animals).
3. CZA may permit some zoos to house elephants subject to the zoo's willingness to provide increased area, a better environment, higher quality of welfare for elephants and comply with CZA guidelines and specific conditions laid down by CZA sub-committee for the housing of elephants.
4. Zoos that are able to provide large forested/vegetated environment, lakes or water body, adequate space and expert veterinary support may be considered by CZA for retention of elephants provided the above conditions are met with.
5. Elephant enclosures in zoos should have a minimum of 1.2 acres per elephant. It is recommended to house elephants in small groups and not as single animals. This is in addition to the water body and confinement zone (where the elephant could be tethered for conditioning the elephants for easy handling for veterinary examination, bathing, foot care etc.) (or what is called the Elephant House).
6. Time period for compliance for zoos applying for retaining elephants is six months failing which they have to shift their elephants out of their zoos.



7. All elephant management practices followed at the zoo should conform to the needs of the elephants and not oriented towards visitors.
8. Using zoo elephants at temples, processions or riding is banned
9. The CZA guidelines for Elephant housing and management to be reviewed by the CZA sub-committee keeping in mind modern elephant management and training practices.
10. The CZA sub-committee may guide the zoos with regard to elephant management, design of elephant enclosures, humane training and handling methods, enrichment and keeper training.
11. CZA will subject zoos retaining elephants to regular evaluation to ensure compliance
12. The Govt. of India and State Governments must initiate the establishment of ideal rescue centers that comply with guidelines.
13. The CZA may guide the zoos keeping elephants on their proper upkeep from time to time.



Asiatic Elephant (*Elephas maximus*) at Thiruvananthapuram Zoo, Trivandrum, Kerala

Photo Credit: Dr. Brij Kishor Gupta



5.0 Human Resource Development

The Central Zoo Authority has executed a Memorandum of Understanding (MoU) with National Trust for Nature Conservation (NTNC), Nepal; Leipzig Zoo, Germany and University of California, Davis, USA to promote and coordinate human resource development, animal exchange programmes, research & education, capacity building and co-operation on conservation issues.

5.1 Training/ Workshops/ Seminars:

5.1.1 The Central Zoo Authority has been organizing various mandatory training programmes for zoo personnel. This year CZA has also organized various training programmes like Workshop on "Restrain of Zoo Animals and their Transports" at Guwahati during 24th-28th September 2012.

5.1.2 Shri B.S. Bonal, Member Secretary, Central Zoo Authority attended meeting of the CBSG held at Melbourne during 4th October to 7th October, 2012.

5.1.3 Central Zoo Authority and Durrell Conservation Academy, Jersey organized a training programme on "Endangered Species Recovery" in collaboration with Padmaja Naidu Himalayan Zoological Park Darjeeling from 17th to 21st November, 2012 at Darjeeling.



5.1.4 Central Zoo Authority in collaboration with Ministry of Environment (MoEF), Wildlife Institute of India (WII), Wildlife Trust of India (WTI), The International Association for Bear Research and Management (IBA) hosted 21st International Conference on Bear Research and Management during 26th to 30th November, 2012 at New Delhi.

5.1.5 Consultative Workshop on Vulture Conservation in Asian Emerging Issues and Formation Steering Committee for Asian Vulture 3rd to 5th May, 2012.



6.0 Research & Education

1. The Central Zoo Authority has approved a grant of Rs. 6.75 lakhs to Civil Construction Unit (CCU), MoEF for developing a manual on "Standard Designs of Zoo Enclosures for Various Species".
2. The Central Zoo Authority approved a Research Proposal to Turtle Survival Alliance and Madras Crocodile Bank Trust (MCBT) on Documentation of the turtle species found in Indian Zoos (identification, sexing and marking of turtle, tortoise and terrapin (Chelonion).
3. A grant of Rs. 11.71 lakhs has been released to Padmaja Naidu Himalayan Zoological Park, Darjeeling for organizing Training programme for Zoo Personnel by Durrell Wildlife Conservation Trust (DWCT), U. K. in Darjeeling, India.
4. Guidelines for housing of Elephants, Hippos, Macaws & other birds in circus have been approved.
5. A grant of Rs. 5.11 Lakhs to National Informatics Centre (NIC) regarding digitization of files of the Central Zoo Authority has been approved by the Technical Committee of Central Zoo Authority.
6. Central Zoo Authority has released phase wise grant of Rs. 65.28 lakhs for research project title "Conservation of endangered animals based on the genetic polymorphism studies and assisted reproduction" to CCMB (LaCONES), Hyderabad for current financial year.



Research Activity at Vulture Conservation Breeding Centre, Pinjore
Photo Credit: Dr. Vibhu Prakash

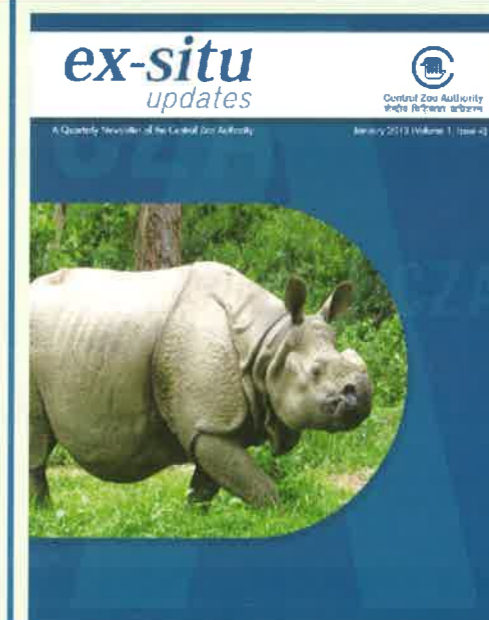
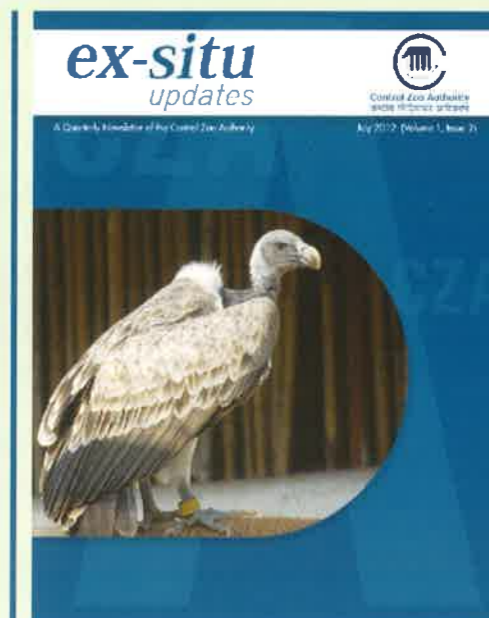
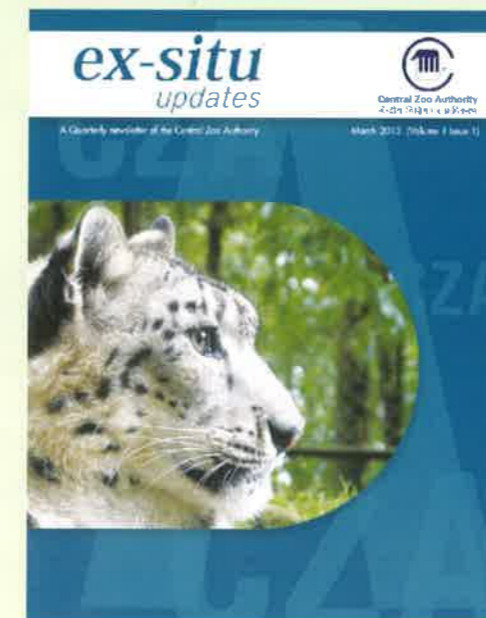


Educational Activity for School Students at National Zoological Park, Delhi
Photo Credit: Dr. Devender Kumar



7.0 Publication of Newsletter

CZA is regularly publishing its quarterly Newsletter "ex-situ updates" as per schedule time and four issue of the newsletter of volume 1 has been published so far as below. This Newsletter will have articles on ex-situ management, information on important events of zoos such as birth of endangered species, zoo education programme, adoption schemes in zoos, awareness campaign in zoos, CZA, and zoo announcements, zoo news and circular etc.





8.0. Financial assistance to Zoos

The Central Zoo Authority received Rs. 1859.00 lakhs (including Rs. 300 lakhs earmarked for the development of zoos in North Eastern India) during the financial year 2012-13 as Grants-in-Aid from Ministry of Environment & Forests, Government of India. The entire grant was utilized to achieve its objectives & mandate broadly under the head of Development of zoos, Conservation Breeding, Rescue & Rehabilitation, Research and Training and Operational cost.

8.1 Improvement of zoos

During the financial year 2012-13, the Central Zoo Authority has released Rs. 170,851,556 for improvement of zoos including the maintenance of the rescue centre, conservation breeding, research & trainings as per the details given below:

(Amount in ₹)

S. No.	State	Name of the Zoos/Institutions	Purpose	Grant Released
1	Andhra Pradesh	Indira Gandhi Zoological Park, Vishakhapatnam	Rescue & Rehabilitation	13,31,000
2	Andhra Pradesh	LaCONES, CCMB, Hyderabad	Research	11,49,900
3	Andhra Pradesh	Sri Venkateshwara Zoological Park, Tirupati	Rescue & Rehabilitation	38,14,000
4	Andhra Pradesh	Indira Gandhi Zoological Park, Vishakhapatnam	Rescue & Rehabilitation	26,63,000
5	Andhra Pradesh	Indira Gandhi Zoological Park, Vishakhapatnam	Improvement of zoos	1,34,00,000
6	Andhra Pradesh	Nehru Zoological Park, Hyderabad	Improvement of zoos	60,00,000
7	Andhra Pradesh	LaCONS, CCMB, Hyderabad	Training & Workshop	6,97,000
8	Andhra Pradesh	Nehru Zoological Park, Hyderabad	Conservation Breeding	20,00,000
9	Andhra Pradesh	LaCONS, CCMB, Hyderabad	Training & Workshop	3,41,000
10	Andhra Pradesh	Sri Venkateshwara Zoological Park, Tirupati	Improvement of zoos	20,00,000
11	Arunachal Pradesh	Biological Park, Itanagar	Improvement of zoos	2,28,96,000
12	Arunachal Pradesh	Biological Park, Itanagar	Conservation Breeding	1,95,000



(Amount in ₹)

S. No.	State	Name of the Zoos/Institutions	Purpose	Grant Released
13	Assam	Assam State Zoo, Guwahati	Training & Workshop	4,50,000
14	Assam	Veterinary College, Khanapara Guwahati	Training & Workshop	14,00,000
15	Assam	Assam State Zoo, Guwahati	Training & Workshop	4,50,000
16	Assam	Assam State Zoo, Guwahati	Improvement of zoos	10,25,000
17	Assam	Assam State Zoo, Guwahati	Improvement of zoos	15,36,000
18	Bihar	Sanjay Gandhi Biological Park, Patna	Improvement of zoos	71,22,000
19	Chhattisgarh	Kanan Pendari Zoo, Bilaspur	Improvement of zoos	28,00,000
20	Delhi	National Informatics Centre Service Inc	Research	2,04,400
21	Gujarat	Kamala Nehru Zoological Gardens, Ahmadabad	Improvement of zoos	35,00,000
22	Gujarat	Kamala Nehru Zoological Gardens, Ahmadabad	Training & Workshop	4,50,000
23	Haryana	Vulture Conservation Centre, Pinjor	Conservation Breeding	57,80,000
24	Jammu & Kashmir	CWLW, J&K, Srinagar	Improvement of zoos	80,000
25	Karnataka	ABV Zoological Park, Kamalapur	Improvement of zoos	80,000
26	Karnataka	Zoo Authority of Karnataka, Mysore	Rescue & Rehabilitation	36,76,000
27	Karnataka	Zoo Authority of Karnataka, Mysore	Rescue & Rehabilitation	73,52,000
28	Karnataka	Sri Chamarajendra Zoological Park, Mysore	Training & Workshop	4,50,000
29	Madhya Pradesh	Van Vihar National Park & Zoo, Bhopal	Rescue & Rehabilitation	7,25,000
30	Madhya Pradesh	Van Vihar National Park & Zoo, Bhopal	Rescue & Rehabilitation	14,52,000
31	Maharashtra	People for Animal, Wardha	Improvement of zoos	60,000
32	Mizoram	Deer Park, Thanzawl, Mizoram	Improvement of zoos	7,00,000



(Amount in ₹)

S. No.	State	Name of the Zoos/Institutions	Purpose	Grant Released
33	Mizoram	Deer Park, Thanzawl, Mizoram	Improvement of zoos	8,32,000
34	Nagaland	Old Zoo, Kohima, Nagaland	Conservation Breeding	42,10,000
35	Nagaland	Nagaland Zoological Park, Rangapahar	Improvement of zoos	32,72,000
36	Nagaland	Old Zoo, Kohima, Nagaland	Conservation Breeding	9,12,000
37	Odisha	Nandankanan Zoological Park	Research	2,25,000
38	Odisha	Nandankanan Zoological Park	Improvement of zoos	29,00,000
39	Odisha	President, IZDA, Bhubaneswar	Research	1,30,000
40	Odisha	Nandankanan Zoological Park, Bhubaneswar	Training & Workshop	2,67,884
41	Odisha	Nandankanan Zoological Park, Bhubaneswar	Conservation Breeding	17,00,000
42	Punjab	Chhatbir Zoo, Mohali	Training & Workshop	4,50,000
43	Rajasthan	Nahargarh Rescue Centre, Jaipur	Rescue & Rehabilitation	20,00,000
44	Rajasthan	Nahargarh Rescue Centre, Jaipur	Rescue & Rehabilitation	40,40,000
45	Tamil Nadu	Children's Park, Guindy, Chennai	Improvement of zoos	1,20,000
46	Tamil Nadu	Zoo Authority of Tamil Nadu, Chennai	Rescue & Rehabilitation	21,72,000
47	Tamil Nadu	Zoo Authority of Tamil Nadu, Chennai	Rescue & Rehabilitation	43,44,000
48	Tripura	Sepahijala Zoological Park, Tripura	Conservation Breeding	82,49,000
49	Tripura	Sepahijala Zoological Park, Tripura	Improvement of zoos	12,90,000
50	Tripura	Sepahijala Zoological Park, Tripura	Improvement of zoos	3,50,000
51	Uttar Pradesh	Kanpur Zoological Park, Kanpur	Training & Workshop	4,50,000
52	Uttar Pradesh	Kanpur Zoological Park, Kanpur	Improvement of zoos	10,22,000
53	Uttar Pradesh	Lucknow Zoological Garden	Improvement of zoos	1,21,000



(Amount in ₹)

S. No.	State	Name of the Zoos/Institutions	Purpose	Grant Released
54	Uttar Pradesh	Wildlife Trust of Inida, Noida	Training & Workshop	5,65,000
55	Uttarakhand	Wildlife Institute of India, Dehradun	Research	11,39,000
56	Uttarakhand	Pt. Nainital Zoo, Nainital	Improvement of zoos	80,000
57	Uttarakhand	Wildlife Institute of India, Dehradun	Research	9,00,000
58	Uttarakhand	Wildlife Institute of India, Dehradun	Training & Workshop	3,93,000
59	Uttarakhand	Pt. G.B. Pant High Altitude Zoo, Nainital	Training & Workshop	4,50,000
60	West Bengal	Padamaja Naidu Himalayan Zoological Park, Darjeeling	Training & Workshop	26,90,000
61	West Bengal	Padamaja Naidu Himalayan Zoological Park	Improvement of zoos	1,76,96,172
62	West Bengal	Padamaja Naidu Himalayan Zoological Park	Improvement of zoos	29,10,200
63	West Bengal	Padamaja Naidu Himalayan Zoological Park	Conservation Breeding	5,91,000
64	West Bengal	Padamaja Naidu Himalayan Zoological Park	Training & Workshop	11,71,000
65	West Bengal	Padamaja Naidu Himalayan Zoological Park	Improvement of zoos	63,96,000
66	West Bengal	Padamaja Naidu Himalayan Zoological Park	Conservation Breeding	7,77,000
67	West Bengal	Padamaja Naidu Himalayan Zoological Park	Research	2,57,000
	Total			17,08,51,556



8.2. Grants released to Rescue Centres

The central Zoo Authority has provided an amount of Rs. 335.69 lakhs for maintenance including feed and medicine etc. to six (out of total seven) rescue centres created at Bangalore, Chennai, Tirupathi, Vishakhapatnam, Bhopal and Jaipur for large number of lions, tigers, leopards, bears and monkeys rescued from the circuses for rehabilitation.

S.No.	Location of the Rescue Centres	(Amount in Rs.)
1.	Nahargarh Rescue Centre, Jaipur	60,40,000
2.	Rescue Centre at Van Vihar National Park-Zoo, Bhopal, Madhya Pradesh	21,77,000
3.	Sri Venkateswara Zoological Garden, Tirupati	38,14,000
4.	Arignar Anna Zoological Park, Vandalur, Chennai	65,16,000
5.	Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh	39,94,000
6.	Bannerghatta Biological Park, Bangalore, Karnataka	1,10,28,000
	Total	3,35,69,000

8.3 Accounts and Audits:

The final audit of the accounts of the Central Zoo Authority will be conducted by the Principal Director of Audit, Scientific Department of C.A.G, Govt. of India. Income & Expenditure Accounts and Balance Sheet as on 31st March, 2013 with schedules is placed at **Annexure I and II**.



Annexure-I

**FORM OF FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**Name of Entity CENTRAL ZOO AUTHORITY BALANCE SHEET
AS ON 31.03.2013

(Amount in ₹)

CORPUS/CAPITAL FUND AND LIABILITIES	Schedule	Current Year	Previous Year
Corpus/Capital Fund	1	29,89,099	61,54,057
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	67,65,584	57,79,401
TOTAL		97,54,683	1,19,33,458
ASSETS			
Fixed Assets	8	16,32,580	18,82,048
Investments-From Earmarked/Endowment Funds	9	NIL	NIL
Investments-Others	10	NIL	NIL
Current Assets, Loans, advances Etc.	11	81,22,103	1,00,51,410
Miscellaneous Expenditure (to the extent not written off or adjusted)		NIL	NIL
TOTAL		97,54,683	1,19,33,458
Significant Accounting Policies			
Contingent Liabilities and Notes on Accounts			



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
INCOME & EXPENDITURE ACCOUNT FOR THE YEAR
ENDED ON 31.03.2013

(Amount in ₹)

INCOME	Schedule	Current Year	Previous Year
Income from Sales/Services	12	NIL	NIL
Grants/Subsidies	13	18,59,00,000	17,35,00,000
Fees/Subscriptions	14	5,30,000	3,70,252
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	8,895	4,808
TOTAL (A)		18,64,38,895	17,38,75,060
EXPENDITURE			
Establishment Expenses	20	93,08,515	82,25,167
Other Administrative Expenses etc.	21	2,35,80,798	2,29,09,917
Expenditure on Grants, Subsidies etc.	22	15,63,01,372	14,24,19,066
Interest	23	NIL	NIL
Depreciation (Net Total at the year-end-Schedule 8)	8	4,13,168	2,78,293
TOTAL (B)		18,96,03,853	17,38,32,443
Excess of Income over Expenditure (A-B)		31,64,958	42,617
Transfer to Special Reserve (Specify each)		NIL	NIL
Transfer to/from General Reserve		NIL	NIL
Balance Being Surplus Carried to Corpus/Capital Fund		NIL	42,617
Balance Being Deficit Carried to Corpus/Capital Fund		31,64,958	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
RECEIPTS AND PAYMENTS FOR THE PERIOD/YEAR ENDED 31.03.2013

(Amount in ₹)

RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
I. Opening Balances			1. Expenses		
(a) Cash in Hand			(a) Establishment Expenses (corresponding to Schedule 20)	93,47,082	82,40,567
Imprest	15,000	15,000			
(b) Bank Balances			(b) Administrative Expenses (corresponding to Schedule 21)	76,18,418	37,20,457
i) In current accounts	91,09,076	89,56,520			
ii) In deposit accounts	NIL	NIL			
iii) Saving accounts	NIL	NIL			
II. Grants Received			II. Payments made against funds for various projects		
(a) From Government of India	18,50,00,000	17,35,00,000	(Name of the fund or project should be shown along with the particulars of payments made for each project)		
(b) From State Govt.	NIL	NIL			
(c) From other sources (details)-For SAAR Countries	9,00,000	NIL	i) Grants-in-aid to Zoos	15,63,01,372	14,24,19,066
(Grants for capital & revenue exp. to be shown separately)			ii) Monitoring & Evaluation of Zoos	8,87,427	10,52,872



RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
			iii) Research Projects	25,21,000	84,34,000
			iv) Training, Workshop Conference	1,24,54,378	96,70,854
			v) Education & Awareness	NIL	NIL
			vi) Exgratia payment to closed mobile zoos	NIL	NIL
			vii) Transportation of Animals	NIL	40,000
III. Income on Investments from			III. Investments & deposit made		
(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
IV. Interest Received			IV. Expenditure on fixed Assets & capital work-in-progress		
(a) On bank deposits	NIL	NIL	(a) Purchase of fixed assets	2,28,523	8,53,887
(b) Loans, Advances etc.	NIL	NIL	(b) Expenditure on capital work-in-progress-Advance to NICS	2,04,400	NIL
V. Other Income (Specify)			V. Refund of surplus money/loans		
(a) Fees received from Zoos with Application of Recognition	5,30,000	3,70,252	(a) to the Govt of India	NIL	NIL



RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
(b) Fees received from Application under RTI	2,745	1,920	(a) to the State Government	NIL	NIL
			(b) to other providers of funds	NIL	NIL
VI. Amount Borrowed			VI. Finance Charges (Interest)		
VII. Any other receipts (given details)			VII. Other Payments (Specify)		
(a) Misc. Receipts	200	NIL	(a) Payment of TDS	5,51,115	4,10,369
(b) Unspent balance of Gr. In Aid refunded by Zoos/CPWD	7,43,085	3,85,890	(b) Security Deposit (Released)	10,000	20,000
(c) Interest on Car/ Scooter Adv.	5,950	2,888	(c) Amount adjustable (By other deptt.) NBWL Meeting Exp.	1,45,870	NIL
(d) Security deposit	55,000	25,000			
(e) Recovery of Advances	1,29,200	3,01,400	(d) Staff advances	42,750	95,000
(f) Recovery of TDS	5,51,115	4,10,369	(e) Payment to other Deptt. (Recoveries from pay bills)	12,00,020	4,43,000
(g) Staff car recovery	NIL	NIL	(f) Bank Charges	NIL	NIL
(h) License fee	NIL	NIL	(g) Payment for Wildlife Week Celebration	6,39,994	NIL
(i) Recovery from pay bills, adjustable by other Departments	12,05,668	4,43,000			
(j) Sale proceed of assets	58,000	NIL			
(k) Unspent GIA	NIL	1,11,909			



RECEIPTS		CURRENT YEAR	PREVIOUS YEAR	PAYMENTS		CURRENT YEAR	PREVIOUS YEAR
(l)	Remittance of Leave salary and pension contribution	37,657	NIL	VIII. Closing Balance			
(m)	Receipt for Wildlife Week Celebration	7,37,000	NIL	(a) Cash in Hand			
(n)	Expenses Reimbursable by MOEF	23,943	NIL	Imprest		15,000	15,000
(o)	Remittance of Superannuation and PPF Contribution of Deputationist	602	NIL	(b) Bank Balances			
				(i) In current accounts		69,39,892	91,09,076
				(ii) In deposit accounts		NIL	NIL
				(iii) Savings accounts		NIL	NIL
TOTAL		19,91,04,241	18,45,24,148			19,91,04,241	18,45,24,148

**FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 1 - CORPUS/CAPITAL FUND

(Amount in ₹)

SCHEDULE 1 - CORPUS/CAPITAL FUND:	CURRENT YEAR	PREVIOUS YEAR
Balance as at the beginning of the year	61,54,057	61,11,440
Add: Contributions towards Corpus/CZA Fund	NIL	NIL
Add: Balance of net income Transferred from the Income and Expenditure Account	NIL	42,617
Deduct: Balance of net expenditure		
Transferred from the Income and Expenditure Account	31,54,958	NIL
BALANCE AS AT THE YEAR -END	29,89,099	61,54,057



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS

(Amount in ₹)

	CURRENT YEAR	PREVIOUS YEAR
A. CURRENT LIABILITIES		
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) Unspent Grants-in-Aid	64,91,170	57,48,085
ii) Unspent amount of wildlife week celebration	1,00,006	NIL
iii) Security refundable	70,000	25,000
TOTAL A	66,61,176	57,73,085
B PROVISIONS		
1. For Taxation	NIL	NIL
2. Gratuity	NIL	NIL



	CURRENT YEAR	PREVIOUS YEAR
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)	NIL	NIL
7. Telephone Charges Payable	NIL	6,316
8. Leave Salary & Pension Contribution	74,289	NIL
9. Audit Fees Payable	NIL	NIL
10. Photocopy Expenses payable	24,779	NIL
11. OTA Payable 5,340	NIL	
TOTAL (B)	1,04,408	6,316
TOTAL (A+B)	67,65,584	57,79,401

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 8 - Fixed Assets

DESCRIPTION	GROSS BLOCK		DEPRECIATION					NET BLOCK				
	Additions during the year (b)		Deductions during the year (c)	Cost/ value at the year end (d)	Depre- cation Rate % (e)	On assets beginning of the year (f)	On additions during the year (g)		On deductions during the year (h)	Total Up to the year- end (i)	As at the end of current year (d-i)	As at the end of previous year
	04/11-09/11	10/11-03/12					04/11-09/11	10/11-03/12				
Vehicle	0	0	76,263	5,83,668	15	98,990	0	0	11,440	87,550	4,96,118	6,59,931
Furniture, Fixtures	0	4,800		7,92,811	10	78,801	0	24000		79,041	7,13,370	7,88,011
Office equipment	0	15,098		3,52,061	15	50,544	0	1,132		51,676	3,00,385	3,36,963
Computer/ peripherals	2,08,625	0	0	3,05,768	60	58,286	1,25,175	0		1,83,461	1,22,307	97,143
TOTAL FOR THE CURRENT YEAR	2,28,523	2,28,523	76,263	20,34,308		2,86,621	1,25,175	25,132	11,440	4,01,728	16,32,580	18,82,048
PREVIOUS YEAR	1,69,319	6,48,568	0	21,60,341		1,61,079	67,835	49,379		2,78,293	18,82,048	13,06,454





FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC.

(Amount in ₹)

A. CURRENT ASSETS:	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
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 Bank:		
-On Current Accounts	69,39,892	91,09,076
-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 Saving Accounts	NIL	NIL
5. Post Office-Saving Accounts	NIL	NIL
TOTAL A	69,54,892	91,24,076



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 11 - CURRENT ASSETS, LOANS, ADVANCES ETC. (Contd.)

(Amount in ₹)

B. LOANS, ADVANCES AND OTHER ASSETS:	CURRENT YEAR	PREVIOUS YEAR
1. Loans:		
a) Staff	8,08,941	8,95,391
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	1,45,870	23,943
Advance Payment to NISCI for Computer Software	2,04,400	NIL
c) Others		
Petrol Account	5000	5000
Telephone Account	3000	3000
3. Income Accrued:		
a) On Investments form 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
TOTAL (B)	11,67,211	9,27,334
TOTAL (A+B)	81,22,103	1,00,51,410

**FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 13 - GRANTS/SUBSIDIES

(Amount in ₹)

(Irrevocable Grants & Subsidies Received)	Current Year	Previous Year
1. Central Government	18,50,00,000	17,35,00,000
2. State Governments	NIL	NIL
3. Government Agencies	NIL	NIL
4. Institutions/Welfare Bodies	NIL	NIL
5. International Organisations	NIL	NIL
6. Others (Specify) - Grant from SAARC	9,00,000	NIL
TOTAL	18,59,00,000	17,35,00,000
Unspent balance of last year	NIL	NIL
TOTAL	18,59,00,000	17,35,00,000



**FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 14 - FEES/SUBSCRIPTIONS

(Amount in ₹)

	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 form Zoos with application for Recognition/Renewal	5,30,000	3,70,252
TOTAL	5,30,000	3,70,252

**FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 18 - OTHER INCOME

(Amount in ₹)

	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)	2,745	1,920
4. Miscellaneous Income	6,150	2,888
TOTAL	8,895	4,808



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 20 - ESTABLISHMENT EXPENSES

(Amount in ₹)

	Current Year	Previous Year
a) Salaries and Wages	83,23,639	69,20,796
b) Allowances and Bonus	27,632	24,178
c) Contribution to Provident Fund	NIL	NIL
d) Contribution to Other Fund (specify)	NIL	
Superannuation Scheme	2,12,039	1,83,037
e) Staff Welfare Expenses	2,85,627	8,37,819
f) Expenses on Employees' Retirement & Terminal Benefits	NIL	NIL
g) Others (specify)	NIL	NIL
Leave Salary & Pension Contributions	4,59,578	2,59,337
TOTAL	93,08,515	82,25,167

**FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 21 - OTHER ADMINISTRATIVE EXPENSES ETC.

(Amount in ₹)

I.	Current Year	Previous Year
a) Purchases (Stationary)	2,22,611	1,78,970
b) Conveyance and Cartage	41,608	31,555
c) Repairs and Maintenance	2,60,108	1,04,553
d) Vehicles Running Expenses	2,55,774	2,25,435
e) Vehicles Maintenance	31,996	57,683
f) Postage, Telephone and Communication Charges	2,64,567	3,05,362
g) Printing, Publication and Periodicals	8,48,044	1,77,287
h) Travelling Expenses	27,96,720	19,80,852
i) Legal Expenses	44,443	8,360
j) Hospitality Expenses	1,42,976	84,421
k) Advertisement and Publicity	2,26,083	39,293
l) Audit Fees	NIL	NIL
m) Others (specify)		
Bank Charges	2,534	314
Other Office expenses	1,41,003	1,73,197
Membership fees	24,32,703	3,44,909
Dificit on sale of unusable assets	6,823	NIL
TOTAL (I)	77,17,993	37,12,191



	Current Year	Previous Year
II. Payments Against Various Projects		
Expenses on Training, Workshop & Conferences	1,24,54,378	96,70,854
Expenses on Research Projects	25,21,000	84,34,000
Monitoring & Evaluation of Zoos	8,27,427	10,52,872
EX-Gratia Payments to closed Mobile Zoos	NIL	NIL
Transportation of Animals	NIL	40,000
TOTAL (II)	1,58,62,805	1,91,97,726
III. Unspent Balance of GIA Refundable to Ministry	NIL	NIL
TOTAL (I+II+III)	2,35,80,798	2,29,09,917

Provisions for OTA (Rs.5,340/-); Photocopy Expenses (Rs.24,779/-) & TA Operational (Rs.74,289/) accrued during the F.Y. 2012-13 but to be paid during F.Y. 2013-14 has been made.

**FINANCIAL STATEMENTS
(NON-PROFIT ORGANISATIONS)**

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 22 - EXPENDITURE ON GRANTS, SUBSIDIES ETC.

(Amount in ₹)

	Current Year	Previous Year
a. Grant given to Institutions/Organisations		
Grant released to various zoos	15,63,01,372	14,24,19,066
Unspent grants-in-aid refundable to ministry	NIL	NIL
b. Subsidies given to Institutions/Organisations	NIL	NIL
TOTAL	15,63,01,372	14,24,19,066



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
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 accepted 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.



FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2013
SCHEDULE 25 - CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1. Contingent Liabilities

Claims against the Entity not acknowledged 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 for the previous year have been regrouped/ rearranged, wherever necessary.

5. Schedule 1 to 25 annexed form an integral part of the Balance Sheet as at 31st March, 2012 and the Income and expenditure e Account for 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.



**Separate Audit Report of Comptroller and Auditor General
of India on the Accounts of Central Zoo Authority,
for the year ended 31 March, 2013**

1. We have audited the attached Balance Sheet of Central Zoo Authority (CZA), as on 31 March 2013, 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 Wildlife (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 companies 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 mis-statements. 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:

A. Grants-in-aid:

During the year 2012-13, CZA received grants in aid of ₹1859.00 lakh as grants-in-aid for the year 2012-13 and utilized grant of ₹57.48 lakh for the year 2011-12 and out of it ₹462.00 lakh was received in the month of March 2013. Out of grants of ₹916.48 lakh, the Authority utilized ₹1896.04 lakh, resulting in unspent balance of ₹20.44 lakh.

B. Management letter:

Deficiencies which have not been included in the Audit Report have been brought to the notice of CZA, New Delhi through a management letter issued separately for remedial/corrective action.

- (v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipt & Payment 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 Account and subject to the significant matters stated above and other matters mentioned in Annexure I to this report give a true and fair view in conformity with accounting principles generally accepted in India.
- a. In so far as it relates to the Balance Sheet, of the state of affairs of the Central Zoo Authority, New Delhi as at 31 March 2013 and
- b. In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.

For & on behalf of C&AG of India

Pr. Director of Audit (SD)

Place : New Delhi

Date : 02/12/2013

**ANNEXURE - II**

1. **Adequacy of Internal Audit System:** Internal Audit of CZA has been conducted during 2012-13 by PAO, MoEF for the period April 2010 to March 2012.
2. **Adequacy of the Internal Control System:** There is scope of some improvement in the Internal Control System of Central Zoo Authority as the following deficiencies were noticed:
 - I. The Broad Sheets to monitor the recovery of long term advances was not maintained.
 - II. A Valuables 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.
3. **Regularity in payment of statutory dues:**

The Central Zoo Authority was regular in depositing statutory dues.



Director (EA)







CENTRAL ZOO AUTHORITY
केन्द्रीय चिड़ियाघर प्राधिकरण

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