

# **ANNUAL REPORT (2016-17)**



**CENTRAL ZOO AUTHORITY**  
Statutory Body under the Ministry of Environment, Forest & Climate Change  
Government of India

AUTHENTICATED

(DR. MAHESH SHARMA)

MINISTER OF STATE FOR

ENVIRONMENT, FOREST AND CLIMATE CHANGE

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The Central Zoo Authority (CZA) is a statutory body under the Ministry of Environment, Forest & Climate Change, Government of India. It was constituted in 1992 under the provisions of Wildlife (Protection) Act, 1972 to oversee the functioning of zoos in India and provide them technical assistance. The prime concern of the CZA has been to raise the existing standards of animal housing, upkeep and health care in the zoos of the country.

The Government of India formulated the National Zoo Policy, 1998 to set the goals and objectives for the management of zoos in the country, so that the national efforts in wildlife conservation are supplemented with the ex-situ conservation of wildlife. The standards and norms for housing, upkeep, health care of captive animals and overall management of zoos have been laid down under the Recognition of Zoo Rules, 2009. Every zoo in the country is required to obtain recognition from the Authority under Section 38H of the Wildlife (Protection) Act, 1972 for its operation. The Authority periodically evaluates zoos with reference to the parameters prescribed under the Rules and grants recognition accordingly.

The Central Zoo Authority consists of a Chairperson, ten members and a Member Secretary. The CZA has constituted different committees for its assistance in the performance of functions assigned to it under the Section 38C of the Wildlife (Protection) Act, 1972. The Administrative Committee, the Technical Committee and the Expert Group on Zoo Designing are regular constituents of the CZA. The functions of these committees are regulated by the Governing Body i.e. Central Zoo Authority, which is chaired by the Hon'ble Minister of Environment, Forest & Climate Change, Government of India and assisted by the Member Secretary as Chief Executive Officer.

Besides performing the primary function of recognition and release of financial assistance, the Central Zoo Authority also regulates the exchange of animals under section 38(I) of the Wildlife (Protection) Act, 1972 amongst zoos in the endangered

category listed under Schedule I & II of the Wildlife (Protection) Act, 1972. The exchange of animals between Indian zoos and foreign zoos is also approved by the Authority subject to requisite clearances under EXIM Policy and the CITES permits issued by the competent authority. The Authority also coordinates and implements initiatives on capacity building of zoo personnel, planned breeding programmes and *ex-situ* research including biotechnological intervention for conservation of species that complement *in-situ* conservation efforts across the country.

During the current year the CZA has made special efforts in the direction of bringing transparency in its functioning and implementation of the Swachh Bharat Abhiyan.

The publication of annual report is a mandatory requirement and a formal practice of the CZA. The annual report provides a glimpse of the activities carried out by the authority during the financial year. It is placed before the Hon'ble Members of Parliament for perusal and providing their guidance to the CZA. It is also circulated to the zoos and placed in the public domain for the benefit of the general public.

The Annual Report and the Annual Audited Account for the financial year 2016-17 as approved by the CZA on the recommendations of the Administrative Committee and the Technical Committee of the CZA has been prepared and is placed. The guidance of the Governing body of the CZA and Expert members of various Committees of the CZA is gratefully acknowledged. The contribution and help from each and every personnel working in the CZA in the preparation of the Annual Report is also acknowledged.



Dr. D. N. Singh  
Member Secretary  
Central Zoo Authority

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## **1. Introduction**

The Indian Board for Wildlife re-constituted its Zoo Wing as 'the Expert Group on Zoos' at its 9<sup>th</sup> session held on 18<sup>th</sup> November, 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 its meeting in November, 1973. The report recommended setting up of a central agency (Zoo Grants Commission), and to give effect to this recommendation, the Wildlife (Protection) Act, 1972 was amended through an amendment Act in the year 1991. A separate chapter, Chapter IVA containing Section 38 A to 38 J was added to the Wildlife (Protection) Act, 1972 for establishment of Central Zoo Authority in India. Accordingly, the Central Zoo Authority was established as a statutory body under the Ministry of Environment & Forests by the Government of India in the year 1992.

### **1.1 Vision**

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

### **1.2 Mission**

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

### **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.

#### **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 Government of India formulated Recognition of Zoo Rules, 1992. It was revised as Recognition of Zoo Rules, 2009 on the recommendation of the Central Zoo Authority. These rules lay down standards and norms for management of zoos in the country. The Central Zoo Authority oversees the functioning of zoos in the country and provides them technical and other assistance for their improvement.

The Authority has been assigned following functions under Section 38 (C) of the Wildlife (Protection) Act, 1972:

- (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 recognize or derecognize 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.

#### **2.0 Governance**

The CZA establishment comprises of 19 scientific and administrative personnel to assist the Member Secretary in discharge of his duties. They have been appointed/ engaged on regular/ contractual basis.

The following officers and staff are engaged on permanent basis in the CZA:

Sl. No.	Name of the Post	Name of the incumbent	Pay-Band/Salary (Amount in Rs.)
1	Member Secretary	Dr. D. N. Singh	67000-79000 (HAG Scale)
2	Deputy Inspector General of Forests (HQ)	Sh. Gulab Singh (from 27.12.2016 to 19.02.2017)	37400-67000 (Grade Pay Rs. 8900)
3	Finance Officer	Sh. V. P. Mehta (up to 03.07.2016) Sh. R.S. Rawat w.e.f 04.07.2016	15600-39100 (Grade Pay Rs. 5400/-)
4	Private Secretary	Smt. Seema Burreja	9300-34800 (Grade Pay Rs. 4800/-)
5	Accountant	Sh. R. S. Rawat ( up to 03.07.2016) Sh. Suresh Sharma w.e.f. 02.09.2016	9300-34800 (Grade Pay Rs. 4600/-)
6	Data Processing Assistant	Sh. Vivek Goel	9300-34800 (Grade Pay Rs. 4600/-)
7	Evaluation & Monitoring Assistant	Sh. T. Ajay Kumar	9300-34800 (Grade Pay Rs. 4200/-)
8	Technical Assistant	Smt. Natasha S Vashisth	5200-20200 (Grade Pay Rs. 2800/-)
9	Lower Division Clerk	Sh. Thakur Dass	5200-20200 (Grade Pay Rs. 2000/-)
10	Multi Task Staff	Sh. P. K. Jha	5200-20200 (Grade Pay Rs. 2000/-)
11	Multi Task Staff	Sh. Gopal Swami	5200-20200 (Grade Pay Rs. 1900/-)
12	Staff Car Driver	Sh. Hari Singh Bhandari	5200-20200 (Grade Pay Rs. 2800/-)

The following posts have been filled up on outsourced basis:

Sl. No.	Name of the Post	No of personnel
1	Evaluation & Monitoring Officer	One
2	Scientific Officer	One
3	Upper Division Clerk	One
4	IT Assistant	One
5	Multi Task Staff	Two
6	Private Secretary	One



## 2.1 Governing Body

The Governing Body of the Central Zoo Authority comprises of twelve members with the Minister for Environment, Forest and Climate Change, Government of India as its *ex-officio* Chairperson. The Authority was reconstituted for the 8<sup>th</sup> time in May, 2014 for a period of three years vide Gazette Notification No. 1152 dated 28<sup>th</sup> May, 2014 and appointed the following members, with the Member Secretary as the Chief Executive Officer of the Authority:

- |     |  |                                      |
|-----|--|--------------------------------------|
| 1.  | Minister<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi  | Chairperson<br>( <i>ex-officio</i> ) |
| 2.  | Secretary to the Government of India,<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi   | Member<br>( <i>ex-officio</i> )      |
| 3.  | Director General of Forests & Special Secretary,<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi  | Member<br>( <i>ex-officio</i> )      |
| 4.  | Additional Director General of Forests (Wildlife) &<br>Director, Wildlife Preservation,<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi | Member<br>( <i>ex-officio</i> )      |
| 5.  | Additional Secretary and Financial Advisor<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi  | Member<br>( <i>ex-officio</i> )      |
| 6.  | Director, Indian Veterinary Research Institute,<br>Bareilly, Uttar Pradesh   | Member<br>( <i>ex-officio</i> )      |
| 7.  | Director, Wildlife Institute of India,<br>Dehradun, Uttarakhand  | Member<br>( <i>ex-officio</i> )      |
| 8.  | Sh. S.K. Patnaik, Retd. Chief Wildlife Warden,<br>Bhubaneswar, Odisha  | Member                               |
| 9.  | Sh. Kartikeya V. Sarabhai,<br>Director, Centre for Environment Education,<br>Ahmedabad, Gujarat  | Member                               |
| 10. | Sh. Vivek Menon,   | Member                               |

- Advisor (Chief Executive Officer),  
Wildlife Trust of India, Noida  
Uttar Pradesh
11. Sh. Kartick Satyanarayan, Member  
Wildlife SOS,  
New Delhi
12. Member Secretary, Central Zoo Authority, Member  
New Delhi Secretary

## 2.2 Administrative Committee

A Sub-group, namely, Administrative Committee of the Central Zoo Authority was reconstituted with the approval of the Minister, Ministry of Environment, Forest & Climate Change, and Chairman, Central Zoo Authority vide order No. 19-8/92-CZA(Vol.IV)(M)/5068 dated 11.06.2014 to deal with the administrative and budgetary issues with the following composition and terms of reference:

1. Director General of Forests & Special Secretary, Chairperson  
Ministry of Environment, Forest & Climate Change, (ex-officio)  
Government of India, New Delhi
2. Additional Director General of Forests (Wildlife) & Member  
Director, Wildlife Preservation, (ex-officio)  
Ministry of Environment, Forest & Climate Change,  
Government of India, New Delhi
3. Additional Secretary and Financial Advisor Member  
Ministry of Environment, Forest & Climate Change, (ex-officio)  
Government of India, New Delhi
4. Joint Secretary (Admn.), Member  
(In-Charge, General Administration) (ex-officio)  
Ministry of Environment, Forest & Climate Change,  
Government of India, New Delhi
5. Member Secretary, Member  
Central Zoo Authority, Secretary  
New Delhi

**The main functions of the Administrative Committee are:**

- (a) To screen and approve the proposals regarding creation of posts and up gradation 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 Administrative Committee Meeting of the Central Zoo Authority was held on 29<sup>th</sup> August, 2016 at Indira Paryavaran Bhawan, Jor Bagh, New Delhi, under the chairmanship of Dr. S. S. Negi, DGF & Special Secretary Ministry of Environment, Forest and Climate Change, Government of India wherein various administrative issues were deliberated and finalized.

**2.3 Technical Committee**

The Technical Committee of the Central Zoo Authority was reconstituted with the approval of the Hon'ble Minister, Ministry of Environment, Forest & Climate Change and Chairperson, Central Zoo Authority vide order No. 19-8/92-CZA(Vol.IV)(M)/5060-67 dated 11.06.2014 to deal with the technical matters with following composition and terms of reference:

- |    |   |                                      |
|----|---|--------------------------------------|
| 1. | Additional Director General of Forests (Wildlife) & Director, Wildlife Preservation,<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi | Chairperson<br>( <i>ex-officio</i> ) |
| 2. | Director General of Forests & Special Secretary,<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi                                     | Member<br>( <i>ex-officio</i> )      |
| 3. | Additional Secretary and Financial Advisor<br>Ministry of Environment, Forest & Climate Change,<br>Government of India, New Delhi   | Member<br>( <i>ex-officio</i> )      |
| 4. | Director, Indian Veterinary Research Institute, Bareilly,   | Member                               |

	Uttar Pradesh	( <i>ex-officio</i> )
5.	Director, Wildlife Institute of India, Dehradun, Uttarakhand	Member ( <i>ex-officio</i> )
6.	Sh. S.K. Patnaik, Retd. Chief Wildlife Warden, Bhubaneswar, Odisha	Member
7.	Sh. Kartikeya V. Sarabhai, Director, Centre for Environment Education, Ahmedabad, Gujarat	Member
8.	Sh. Vivek Menon, Advisor (Chief Executive Officer), Wildlife Trust of India, Noida Uttar Pradesh	Member
9.	Sh. Kartick Satyanarayan, Wildlife SOS, New Delhi	Member
10.	Member Secretary, Central Zoo Authority, New Delhi	Member Secretary

**The main functions of the Technical Committee are:**

- 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, 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 is coterminous with the Central Zoo Authority constituted on May 28, 2014 for a period of three years.

The meetings of the Technical Committee of the Central Zoo Authority, during the financial year 2016-17, were held on 6<sup>th</sup> May, 2016 (78<sup>th</sup> Meeting), 24<sup>th</sup> August, 2016 (79<sup>th</sup> Meeting), 4<sup>th</sup> November, 2016 (80<sup>th</sup> Meeting), 24<sup>th</sup> January, 2017 (81<sup>st</sup> Meeting) and 22<sup>nd</sup> March, 2017 (82<sup>nd</sup> Meeting) on the proposal on Improvement in zoos, Conservation Breeding Programme, Research and Training and approval of Master Plan apart from the other policy level issues.

#### **2.4 Expert Group on Zoo Designing**

The Expert Group on Zoo Designing of the Central Zoo Authority was reconstituted with the approval of the Hon'ble Minister of State (Independent Charges), Environment, Forest and Climate Change, Government of India and Chairperson, CZA vide office order F. No. 7-5/2016-CZA (AK) 2464/2016 dated 26.08.2016 with following composition and terms of reference:

- |    |   |        |
|----|---|--------|
| 1. | Shri P.R. Sinha,<br>Ex-Member Secretary, CZA & Country Representative, IUCN<br>India,<br>C4/25, Safdarjung Development Area,<br>New Delhi – 110016. | Member |
| 2. | Shri B.S. Bonal,<br>Ex-Member Secretary, CZA & Ex- Member Secretary, NTCA<br>New Delhi  | Member |
| 3. | The Head, Department of Landscape Architecture,<br>School of Planning & Architecture  | Member |

- New Delhi – 110002.
4. Representative, Member  
Civil Construction Unit,  
Ministry of Environment, Forest and Climate Change,  
7<sup>th</sup> Floor, Paryavaran Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi – 110003.
  5. Dr. Brij Kishor Gupta, Member  
Zoo Biologist and Evaluation and Monitoring Officer, Central Zoo  
Authority,  
R/o C-280, Beta – I,  
Greater Noida – 201 310
  6. Dr. Devender Kumar, Member  
Zoo Biologist and Scientific Officer,  
Central Zoo Authority,  
R/o B-83, 2<sup>nd</sup> Floor, Dena Bank Building,  
Near Mayur Vihar Public School,  
Mangalam, I.P. Extension,  
Delhi - 110092
  7. Shri Himanshu Malhotra, Member  
Wildlife Filmmaker/ Environmentalist & Member of Zoo Advisory  
Board, National Zoological Park, New Delhi,  
R/o C-50, Defence Colony,  
New Delhi – 110 024
  8. Member Secretary, Convener  
Central Zoo Authority, New Delhi

**The terms of reference of the Expert Group on Zoo Designing are:**

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

During the year 2016-17, the Expert Group on zoo designing held its meeting on 9<sup>th</sup> September, 2016 (68<sup>th</sup> Meeting), 20<sup>th</sup> October, 2016 (69<sup>th</sup> Meeting), 1<sup>st</sup> November, 2016 (70<sup>th</sup> Meeting), 17<sup>th</sup> January, 2017 (71<sup>st</sup> Meeting) and 3<sup>rd</sup> February, 2017 (72<sup>nd</sup> meeting) to approve the drawings of the enclosures of the endangered species to be constructed in Indian zoos and to recommend the approval of Master (Layout) Plan and Master Plan of the zoos.

### 3.0 Appointments made in the Secretariat of the Central Zoo Authority

The Central Zoo Authority appointed Sh. Gulab Singh, IFS as Deputy Inspector General of Forests during the reporting period to strengthen human resource in the CZA. Sh. R.S. Rawat and Sh. Suresh Sharma have been promoted to the post of Finance officer and Accountant respectively during the period.

### 4.0 Functioning of the CZA

#### 4.1 Technical Evaluation of Zoos

The Central Zoo Authority evaluated 68 Zoos during the financial year 2016-17 out of which 5, 10, 14 and 23 zoos were large, medium, small and mini category zoos respectively and it included 9 Rescue Centres and 7 Circuses. Following is the list of the zoos of different categories evaluated during the financial year 2016-17:

#### Large category zoos

Sl.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
1	Assam	Assam State Zoo, Guwahati	Dr. Brij Kishor Gupta	24.05.2016 & 25.05.2016
2	Karnataka	Sri Chamarajendra Zoological Gardens, Mysuru	Dr. D. N.Singh	06.04.2016
3		Dr. K. Shivarama Karantha Pilikula Biological Park, Mangaluru	Dr. Brij Kishor Gupta	07.01.2017
4		Bannerghatta Biological Park, Bengaluru	Dr. D. N. Singh	07.04.2016 & 08.04.2016
5	Tamil Nadu	Arignar Anna Zoological Park, Vandalur, Chennai	Dr. D.N. Singh	29.04.2016 & 30.04.2016

### Medium category Zoos

Sl.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
1	Chhattisgarh	Maitri Baagh Zoo, Bhilai	Dr. Brij Kishor Gupta	19.02.2017
2	Jharkhand	Tata Steel Zoological Park, Jamshedpur	Dr. Brij Kishor Gupta	22.02.2017
3		Jawaharlal Nehru Biological Park, Bokaro	Dr. Brij Kishor Gupta	23.02.2017
4	Kerala	State Museum & Zoo, Thrissur and site for relocation at Puthur	Dr. Brij Kishor Gupta	09.01.2017
5		Zoological Garden, Thiruvananthapuram	Dr. Brij Kishor Gupta	10.01.2017 & 11.01.2017
6	Madhya Pradesh	Kamla Nehru Prani Sangrahalaya, Indore	Dr. A. K. Sharma, & Dr. Brij Kishor Gupta	20.12.2016
7	Maharashtra	V.J.B Udyan Zoo, Mumbai	Dr. D. N. Singh	16.06.2016
8		VJB Udyan Zoo, Mumbai (mid-term evaluation)	Shri Anwar Ahmad, Dr. A. B. Shrivastav & Dr. R. K. Sahu	06.12.2016
9		Rajiv Gandhi Zoological Park and Wildlife Research Centre, Pune	Dr. Brij Kishor Gupta	22.04.2016
10	Nagaland	Nagaland Zoological Park, Rangapahar	Dr. D.N. Singh & Dr. Devender Kumar	27.05.2016 & 28.05.2016

### Small category zoos

Sl.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
1	Arunachal	Biological Park, Itanagar	Dr. Brij Kishor Gupta	21.05.2016 &



Sl.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
	Pradesh			22.05.2016
2	Chhattisgarh	Nandanvan Jungle Safari, Naya Raipur	Dr. Brij Kishor Gupta	20.02.2017
3	Haryana	Rohtak Zoo, Rohtak	Dr. Devender Kumar	17.02.2017
4	Madhya Pradesh	Gandhi Zoological Park, Gwalior	Dr. Devender Kumar	12.06.2016
5	Maharashtra	Maharajbaug Zoo, Nagpur	Dr. Brij Kishor Gupta	26.09.2016
6		Mahatama Gandhi Udyan Zoo, Solapur	Dr. Brij Kishor Gupta	23.04.2016
7		Nisargakavi Bahinabai Choudhary Prani Sangrahalaya, Pimpri-Chinchwad	Dr. Brij Kishor Gupta	21.04.2016
8	Odisha	Kapilash Zoo, Dhenkanal	Dr. Devender Kumar	24.06.2016
9		Wild Animals Conservation Centre, Sambalpur	Dr. Devender Kumar	25.06.2016
10	Rajasthan	Kota Zoo, Kota	Dr. Brij Kishor Gupta	10.06.2016
11		Sajjangerh Biological Park, Udaipur	Dr. Brij Kishor Gupta	8.06.2016 & 09.06.2016
12	West Bengal	Jungle Mahal Zoological Park at Dhabani, Jhargram	Shri Bipul Chakrabarty	27.02.2017
13		Bardhaman Zoological Park, Bardhaman	Shri Bipul Chakrabarty	02.03.2017
14		Marble Palace Zoo, Kolkata	Shri Bipul Chakrabarty	28.02.2017

#### Mini category zoos

S.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
1	Andaman & Nicobar islands	Biological Park, Chidiyatapu	Dr. D.N. Singh	09.02.2017 & 10.02.2017
2	Dadra & Nagar	Lion Safari, Vasona	Dr. D.N. Singh	16.07.2016

S.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
	Haveli			
3	Haryana	Mini Zoo, Pipli	Dr. Devender Kumar & Mr T. Ajay Kumar	05.04.2016
4		Deer Park, Hisar	Dr. Devender Kumar	18.02.2017
5		Mini Zoo, Bhiwani	Dr. Devender Kumar	18.02.2017
6	Jammu & Kashmir	Mini Zoo, Pahalgam	Dr. Brij Kishor Gupta	28.06.2016
7	Jharkhand	Mugger Breeding Centre, Muta	Dr. Brij Kishor Gupta	24.02.2017
8	Karnataka	Mini Zoo, Gendekatte, Hassan	Dr. Brij Kishor Gupta	05.01.2017
9		Children's Park cum Mini Zoo, Bellary and site for relocation at Atal Bihari Vajpayee Zoological Park, Kamalapura, Hospet	Dr. Brij Kishor Gupta	03.01.2017 & 04.01.2017
10	Maharashtra	Snake Park, Dholgarwadi, Kolhapur	Dr. Brij Kishor Gupta	24.04.2016
11		Maharaja Shahaji Chhatrapati Zoo, Kolhapur	Dr. Brij Kishor Gupta	24.04.2016
12	Odisha	Papadahandi Deer Park, Nabrangpur	Dr. Devender Kumar	27.06.2016
13		Harishankar Deer Park, Harishankar, Balangir	Dr. Devender Kumar	26.06.2016
14		Kuanria Deer Park, Nayagarh	Dr. Devender Kumar	29.06.2016
15		HAL Deer Park, Sunabeda	Dr. Devender Kumar	28.06.2016
16		Deer Park, Cuttack Municipal Corporation, Cuttack	Sh. Bipul Chakrabarty	16.03.2017
17		Gharial Research and Conservation Unit, Tikarpada	Sh. Bipul Chakrabarty	14.03.2017

S.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
18	Punjab	Mini Zoo Cum Deer Safari Bir Talab, District-Bathinda	Dr. Devender Kumar	09.06.2016
19	Rajasthan	Safari Park, Haridas Ji ki Maagri, Udaipur	Dr. Brij Kishor Gupta	09.06.2016
20		Panchwati Deer Park, Pilani	Dr. Devender Kumar	19.02.2017
21	Uttarakhand	Mini Zoo Almora, Almora	Dr. Devender Kumar	24.09.2016
22	Uttar Pradesh	Lion Breeding Centre and Multiple Safari Parks, Etawah	Dr. A. B. Shrivastav, & Dr. Brij Kishor Gupta	18.09.2016 & 19.09.2016
23	West Bengal	Garchumuk Deer Park, Howrah	Sh. Bipul Chakrabarty	01.03.2017

#### Rescue Centre

S.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
1	Assam	Centre for wildlife Rehabilitation and Conservation (CWRC), Borjuri	Dr. D.N. Singh & Dr. Devender Kumar	26.05.2016 & 29.05.2016
2	Haryana	Wildlife Rescue Centre, Gopalpur Khera, Gurgoan	Dr. Devender Kumar & Sh. Ajay Kumar	09.04.2016
3		Vulture Conservation Breeding Centre, Pinjore(mid-term evaluation)	Dr. Devender Kumar	25.01.2017
4		Ch. Surinder Singh Elephant Rehabilitation Centre, Bansantour, Yamuna Nagar District	Dr. A. K. Sharma & Dr. Brij Kishor Gupta	06.09.2016
5	Karnataka	People for Animals Rescue Centre, Bengaluru	Dr. Brij Kishor Gupta	02.01.2017
6		Leopard Rescue Centre,	Dr. Brij Kishor Gupta	25.04.2016

S.No.	State	Name and location of the Zoo	Evaluating officer/s	Date of evaluation
		Manikdoh, Junnar		
7	Maharashtra	Amte's Animal Ark, Hamalkasa, District Gadchiroli	Dr. Brij Kishor Gupta	28.09.2016
8		People for Animals Rescue centre, Wardha	Dr. Brij Kishor Gupta	27.09.2016
9	Uttar Pradesh	Agra Bear Rescue Facility, Agra	Dr. D.N. Singh assisted by Sh. Ajay Kumar	22.12.2016, 24.12.2016 & 25.12.2016

### Circuses

S.No.	Name and location of the Circus	Evaluating officer/s	Date of evaluation
1	Apollo Circus, Camp: Bulandshahar, Uttar Pradesh	Shri Himanshu Malhotra	13.04.2016
2	Natraj Circus, Camp: Panitanki, Darjeeling District, West Bengal	Ms. Radhika Bose, Shri Arun Mukherjee & Shri Badal Debnath	07.06.2016
3	Ajanta Circus, Camp: Domkolhat, Murshidabad District, West Bengal	Shri. Rana Dutta & Ms. Radhika Bose	10.06.2016
4	Empire Circus, Camp: Jamshedpur	Shri Bipul Chakrabarty, Dr. Ajay Kumar, Shri Arvind Kumar Gupta & Shri Ashok Kumar Dubey	29.06.2016
5	Kohinoor Circus, Camp: Balukeswar Campus, Keonjhar, Odisha	Shri Sudeep Nayak, Dr. Debabrat Mohapatra & Shri Fulai Hembram	11.07.2016
6	Great Golden Circus, Camp: Dongre Ground, Gangapur Road, Nashik, Maharashtra	Dr. Sanjay Tripathi, Shri Nandkishor Kale & Dr. Naresh Upreti	12.07.2016

S.No.	Name and location of the Circus	Evaluating officer/s	Date of evaluation
7	Great Apollo Circus, Camp: Garewal Chowk at Malerkotla, Ludhiana, Punjab	Dr. M.P. Singh, Shri Vishal Chauhan & Shri Prashanth V.	08.08.2016
8	Great Golden Circus, Camp: LT Road, Borivali West, Mumbai	Dr. Shailesh G. Pethe, Shri Ajay Desai, Dr. Sanjay Tripathi & Sh. Shendge	18.03.2017

### Inspection of zoos regarding shifting of wild animals and physical closure

The CZA did not grant recognition to the zoos or cancelled recognition of zoos which did not meet the standards and norms laid down under the Recognition of Zoo Rules and directed shifting of the animals housed therein to other recognised facilities in the country with their physical closure. However, the physical closure and shifting of wild animals is pending in some cases. Therefore, a physical inspection to ascertain the present status of 58 such facilities was carried out. It has been found that 39 out of 58 facilities, have been found physically closed and there were no wild animals housed in these facilities. The list of the facilities which have been found physically closed are mentioned below:

#### List of facilities found physically closed

Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
1	Andhra Pradesh	Veda Viswa Vidyalayam, Jeeyar Educational Trust, Seetanagarm, Guntur District	10.08.2006	Mr T Ajay Kumar	23.07.2016
2	Chattisgarh	Indira Udyan, Pendra, Bilaspur	21-06-2005	Dr. Chandan	14.07.2016
3		Deer park, Diu	05-02-1998	Dr. D. N. Singh	16.07.2016
4	Daman & Diu	Deer Park at Jampore, Daman	11.09.2006	Dr. D. N. Singh	16.07.2016
5	Gujarat	Vanchetna Kendra Vastrapur	29-05-2006	Shri Ravi Chouhan	29.07.2016

Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
6		Balbhavan, Rajkot	14-10-2002	Shri Ravi Chouhan	16.07.2016
7		Fertilizer Nagar Deer Park, Baroda	11-10-2006	Shri Ravi Chouhan	30.07.2016
8	Himachal Pradesh	Mini Zoo, Kalapul, Dharamshala,	08.06.2005	Dr. Anupam Shirvastav	18.07.2016
9		Hotel Yamini Birds Enclosure, Palampur,	08.06.2005	Dr. Anupam Shirvastav	18.07.2016
10		Vasant Smruti Mrig Vihar, Umarsara, Yavatmal,	31.03.2006	Shri Neelim Khaire	11.07.2016
11		Suryavan Zoo, Mumbai	11.07.2005	Shri Neelim Khaire	07.07.2016
12		Shivaji Udyan, Nashik	09.09.1994	Shri Neelim Khaire	08.07.2016
13	Maharashtra	Rani bag Zoo, Buldana	18.02.1998	Shri Neelim Khaire	11.07.2016
14		Nehru Garden, Sangamner	20.05.1997	Shri Neelim Khaire	08.07.2016
15		Anandvan Orphanage cum Rescue Centre, Warora, District Chandrapur	20.04.2007	Shri Neelim Khaire	12.07.2016
16		Aviculture And Captive Breeding, Thane	11.07.2005	Shri Neelim Khaire	16.07.2016
17	Odisha	Deer Park, Daitari	30.05.2006	Report dated 13.07.2016 from the CWLW, Odisha	
18	Uttar Pradesh	Chetna Kendra, Ridhani Range, Meerut	28.02.1996	Report dated 05.07.2016 from the CWLW, Uttar Pradesh	
19		Deer Park, Air Force, Allahabad	07.07.2005		
20		Deer Park, Hindalco Industries Ltd.	08.12.2006		

Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
		Sonbhadra			
21		Indira Manoranjan Van, Mehewa	26.05.2006		
22		Indira Park, Bijnor	26.05.2006		
23		Katerniaghat Gharial Rehabilitation Centre, Katerniaghat	08.07.2005		
24		Laxman Pahari Mrig Vihar, Banda			
25		Little Scholars Academy, Amroha	14.03.2000		
26		Triveni Environment Park, Allahabad	08.12.2006		
27		Van Chetna Kendra, Ghaziabad	30.05.2006		
28		Van Chetna Kendra, Kumarganj			
29		Van Manoranjan Kendra, Rampur	01.07.1996		
30		Deer Park, Moradabad			
31		Anath Ashram Banya Prani Bikash Udyan, 24, Parganas,	27.06.1996	The DFO, South 24 Paragrana Division	02.08.2016
32		Ballavpur Wildlife Sanctuary, Birbhum	31.05.2006	Md. Majedar Rahman	13.07.2016
33	West Bengal	Deer Park Dow Hill, Kurseong	27.07.2006	Sh. Arun Kumar Mukherjee	28.07.2016
34		Deer Park of A.D.D.A., Durgapur	30.05.2006	Md. Majedar Rahman	17.07.2016
35		Gunjan Ecological Park, Asansol	14.02.2006	Md. Majedar Rahman	16.07.2016

Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
36		Madarihat Rescue Centre	30.05.2006	Sh. Arun Kumar Mukherjee	26.07.2016
37		Ramakrishna Mission Vidyalaya, Student Home, 24, Parganas	08.07.2005	Md. Majedar Rahman	09.07.2016
38		Rescue Centre, Rajabhatkhawa, Jalpaiguri	03.05.2006	Sh. Arun Kumar Mukherjee	26.07.2016
39		Aranyak Zoological Park, Asansol	26.05.2006	Md. Majedar Rahman	16.07.2016

Thus, today there are only 19 de-recognised facilities housing wild animals. It is found that 19 such facilities have failed to comply with the directives of the CZA in spite of repeated reminders. Subsequently, the CZA had once again requested the Chief Wildlife Wardens of the respective states to initiate necessary action for rehabilitation of wild animals and their physical closure of facility. The CWLWs have been also requested to initiate prosecution action against operators of illegal facilities as per provisions laid down under Section 51 of the Wildlife (Protection) Act, 1972. Follow up action is under progress. A list of such facilities is mentioned below:

#### Derecognized Zoos Found Holding Wild Animals

Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
1	Andhra Pradesh	Deer Park, Tirumala Hills, Tirupati	10.06.1998	Dr. A. Manimozhi	11.07.2016
2	Gujarat	Nature Education Centre, Jamnagar,	13.11.2002	Shri Ravi Chouhan	18.07.2016
3	Jharkhand	Deer Park, Chandrapura,	13.12.2006	Dr. Manik Palit	15.07.2016
4		Deer Park,	01.06.2009	Dr. Manik	15.07.2016



Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
		Maithon		Palit	
5	Kerala	Hill Palace Zoo, Ernakulam,	27.06.2014	Shri T.V. Anil Kumar	09.07.2016
6		Sri LNJP Smrity Van, Walayar	02.07.2014	Shri T.V. Anil Kumar	16.07.2016
7		Crocodile Farm at Nayyar Dam, Thirunvananthapuram	27.07.2006	Shri T.V. Anil Kumar	20.07.2016
8		Crocodile Farm, Kozhikode	13.11.2006	Shri T.V. Anil Kumar	14.07.2016
9	Maharashtra	Suruchi Zoo, Panvel,	07.06.2006	Shri Neelim Khaire and Dr. Brij Kishor Gupta	26.04.2016
10		Wildlife Orphanage Seminary Hills, Nagpur	16.03.2006	Shri Neelim Khaire	12.07.2016
11		Navegaon Bandh Wild Life Orphanage, Nagpur	15.06.2006	Shri Neelim Khaire	12.07.2016
12		Nature Park, Karanja	19.07.2006	Shri Neelim Khaire	07.07.2016
13	Odisha	Deer Park, Berhampur,	12.03.2013	Sh. Rajesh Mohapatra	14.07.2016
14		Deer Park at NALCO Nagar Township, District Angul	Did not apply for recognition	Self declaration by the operator	
15	Rajasthan	Mrig Van, Chittorgarh	23.06.2005	Sh. Mukesh Saini	19.07.2016
16	Tamil Nadu	Crocodile Rearing Centre, Amaravathi Nagar	16.11.2006	Dr. A. Manimajhi	13.07.2016
17	West Bengal	Bellilius Park, Howrah	12.07.2005	Md. Majedar Rahman	11.07.2016

Sl. No.	State	Name and location of Zoo	Recognition cancelled / refused on	Name of Evaluator	Date of Inspection
18		Corporation Park, Jogmaya, Howrah	08.07.2005	Md. Majedar Rahman	11.07.2016
19		Garmandaran Deer Park, Hooghly	22.06.1998	Md. Majedar Rahman	17.07.2016

#### ZOOS GRANTED RECOGNITION DURING 2016-17

The Central Zoo Authority granted renewal of recognition to 98 zoos during the year 2016-17 as per the details given below. Of these large, medium, small, mini category zoos, rescue centres and Circus were 8, 14, 22, 43, 10 and 1 respectively. There are 167 recognized zoos (including circuses) in the country as on 31/03/2017.

#### Large category zoos

Sl.No.	State	Name of the Zoo	Location	Recognition valid upto
1	Assam	Assam State Zoo Cum Botanical Garden	Guwahati	28-08-2019
2	Delhi	National Zoological Park	Delhi	05-05-2019
3	Gujarat	Kamla Nehru Zoological Garden	Ahmedabad	08-06-2019
4		Sakkarbaug Zoo	Junagarh	05-05-2017
5	Karnataka	Dr. K.Shivarma Karanth Pililkula Biological Park	Mangalore	23-01-2020
6		Sri Chamarajendra Zoological Gardens	Mysuru	06-05-2019
7		Bannerghatta Biological Park	Bengaluru	05-05-2019
8	Tamil Nadu	Arignar Anna Zoological Park, Vandalur	Chennai	23-08-2019

#### Medium category zoos

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
1	Chhattisgarh	Maitri Baagh Zoo	Bhilai	21-03-2020
2		Nandanvan Jungle Safari	Naya Raipur	21-03-2020

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
3	Gujarat	Indroda Nature Park	Gandhi Nagar	08.06.2019
4		Sayaji Baug Zoo	Vadodara	05.05.2019
5	Jharkhand	Jawaharlal Nehru Biological Park	Bokaro	21.03.2020
6		Tata Steel Zoological Park	Jamshedpur	21.03.2020
7	Kerala	State Museum & Zoo	Thrissur	23.01.2018
8		Zoological Garden	Thirunvan-anthapuram	23.01.2020
9	Madhya Pradesh	Kamla Nehru Prani Sanghralaya Zoo	Indore	23.01.2019
10	Maharashtra	Rajiv Gandhi Zoological Park And Wildlife Research Center	Pune	05.05.2018
11		Veer mata Jijabai Bhosale Udyan & Zoo	Mumbai	23.08.2017
12	Nagaland	Nagaland Zoological Park, Rangapahar	Rangapahar	23.08.2019
13	Tamil Nadu	Madras Crocodile Bank Trust/Centre For Herpetology	Mahabalipuram	05.05.2019
14		V.O.C. Park Mini Zoo	Coimbatore	05.05.2017

#### Small category zoos

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
1	Andaman & Nicobar Islands	Biological Park, Chidiyatapu	Port Blair	21.03.2019
2	Arunachal Pradesh	Biological Park, Itanagar	Itanagar	28.08.2019
3	Haryana	Rohatak Zoo	Rohtak	04.05.2019
4	Karnataka	Kittur Rani Channamma Mini Zoo	Belagavi	23.08.2018
5		Tiger & Lion Safari	Shimoga	05.05.2017
6		Childrens Park-cum-Mini Zoo	Bellary	23.01.2019
7	Kerala	Parassinikkadavu Snake Park	Kannur	23.08.2017
8		Maharajbag Zoo	Nagpur	03.11.2017
9		Nisargakavi Bahinabai Choudhary	Chinchwad,	05.05.2018

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
		Pranisanghalaya	Pune	
10	Maharashtra	Mahatma Gandhi Rashtriya Udyan Zoo	Solapur	05.05.2017
11		Kapilash Zoo	Dhenkanal	23.08.2018
12	Odisha	Wild Animal Conservation Center	Mothijharan, Sambalpur	23.08.2019
13	Rajasthan	Kota Zoo	Kota	23.08.2017
14		Sajjagarh Biological Park	Udaipur	28.08.2019
15	Tamil Nadu	Amirdhi Zoo	Vellore	05.05.2018
16		Chennai Snake Park Trust	Guindy	05.05.2018
17		Kurumbapatti Biological Park	Salem	05.05.2018
18	Telangana	Vana Vignana Kendram	Warangal	05.05.2017
19	Uttarakhand	Pt. GB Pant High Altitude Zoo	Nainital	28.08.2018
20	West Bengal	Marble Palace Zoo	Kolkata	05.05.2017
21		Bardhaman Zoological Park	Burdwan	05.05.2017
22		Jungle Mahal Zoological Park	Jhargram	21.03.2019

#### Mini category zoos

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
1	Andhra Pradesh	G.V.K.Industires Deer Park	Jegurupadu	23.08.2017
2	Dadra & Nagar Haveli	Lion Safari – Vasona	Vasona	23.08.2019
3	Delhi	A.N.Jha Deer Park	New Delhi	05.05.2018
4	Haryana	Mini Zoo	Bhiwani	05.05.2017
5		Mini Zoo	Pipli	05.05.2018
6		Deer Park	Hissar	05.05.2019
7	Himachal Pradesh	Rewalsar Mini Zoo	Mandi	05.05.2018
8		Sarahan Phesantry	Sarahan	23.08.2018
9	Jammu and Kashmir	Mini Zoo Pahalgam	Pahalgam	Information awaited from the CWLW

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
10	Karnataka	Deer Park, N.M.D.C.Ltd.	Donimalai	05.05.2018
11		Gendekatte Mini Zoo	Hassan	23.01.2019
12		Namadachilume Deer Park	Tumkur	05.05.2017
13		Tungabhadra Dam Mini Zoo	Bellary	05.05.2017
14		Indira Priyadarshini Sangrahalaya	Davangere Taluk	05.05.2018
15		Deer Park At Shri Kshetra Sogal, Soudatti	Belgaun	05.05.2017
16	Kerala	Snake Park, Malampuzha	Malampuzha	23.08.2018
17		Kodanadu Zoo	Kodanadu	05.05.2017
18		Lion Safari Park At Nayyar Dam (Nayyar Mini Zoo)	Thirunvananthapuram	05.05.2018
19	Maharashtra	Maharaja Shahaji Chhatrapati Zoo	Kolhapur	05.05.2017
20		Snake Park Dholgarwadi	Chandgad	05.05.2017
21	Odisha	Deer Park, Papadahandi	Nawarangpur	23.08.2018
22		Harishankar Deer Park	Balangir	23.08.2018
23		Kuanria Deer Park	Nayagarh	23.08.2017
24	Punjab	Mini Zoo cum Deer Safari Bir Talab	Bhatinda	23.08.2019
25		Deer Park, Neelon	Ludhiana	05.05.2017
26	Rajasthan	Panchwati Deer Park	Pilani	21.03.2018
27		Safari Park, Haridas Ji Ki Magri	Udaipur	23.08.2018
28	Tamil Nadu	Shivganga Garden Mini Zoo	Thanjavur	03.11.2018
29	Telangana	Himayat Sagar Mini Zoo	Himayat Sagar	05.05.2018
30		Karimnagar Deer Park	Karimnagar	23.08.2018
31		Pillalamarri Deer Park	Mahabub Nagar	23.08.2018
32		Sanghi Deer Park	Sanghi Nagar	05.05.2017
33		Kinnerasani Deer Park	Paloncha	05.05.2017
34		Deer Park – Tech Mahindra Technology Center	Bahadurpally	05.05.2017
35		Sarnath Deer Park	Varanasi	05.05.2018

Sl. No.	State	Name of the Zoo	Location	Recognition valid upto
36	Uttar Pradesh	Van Prani Udyan, I.V.R.I.	Izzatnagar	05.05.2018
37		Vinod Van Park	Gorakhpur	05.05.2017
38		Lion Breeding Centre and Multiple Safari Parks, Etawah	Etawah	03.11.2018
39	Uttarakhand	Almora Mini Zoo	Almora	23.01.2019
40	West Bengal	Adina Deer Park	Malda	05.05.2018
41		Surulia Mini Zoo	Purulia	05.05.2018
42		Sundarban Wild Animal Park,	Jharkali	05.05.2017
43		Garhchumuk Deer Park	Howrah	05.05.2017

### Rescue Centres

Sl. No.	State	Name of the Rescue Centre	Location	Recognition valid Upto
1	Assam	Centre For Wildlife Rehabilitation And Conservation	Borjuri	23.08.2018
2	Haryana	Vulture Conservation Breeding Center	Pinjore	05.05.2019
3		Wildlife Rescue Centre	Gurgaon	23.08.2018
4		Ch. Surinder Singh Elephant Rescue Centre	Basantour	03.11.2018
5	Himachal Pradesh	Rescue And Rehabilitation Home	Tutikandi	05.05.2018
6	Karnataka	People For Animals - Rescue Centre	Bengaluru	23.01.2018
7	Maharashtra	Leopard Rescue Centre	Manikdoh	05.05.2018
8		People For Animals Rescue Centre	Wardha	03.11.2018
9		Amtes Animal Ark	Gadchiroli	03.11.2017
10	West Bengal	South Khairbari Rescue Centre	Madarihat	05.05.2017

## Circus

S. No.	State	Name of Circus	Registered location	Recognition valid upto
1	Uttar Pradesh	Apollo Circus	Bulandshahar	06.05.2017

### 4.2 List of the recognized zoos as on 31<sup>st</sup> March 2017

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 and number of animals of endangered species) provided under Rule 9 of the Recognition of Zoo Rules 2009. This classification of the zoos has been made for the purpose of management of the zoos and to apply the standards and norms pertaining to the housing, upkeep, veterinary care etc. The zoo should meet at least any four of the aforesaid criteria (including total number of species, total number of endangered species and also total number of animals including that of endangered species housed by them) to be classified into the above mentioned categories. There are 167 recognized zoos (including circuses) in the country as on 31/03/2017. Out of which the large zoos are 14, Medium category zoos 27, Small category zoos 38, Mini category zoos 71, Circus 2 and Rescue Centre 15.

The list of the recognized zoos is given below:

Category	State	Name of the Zoo	Location	
Large Zoo	Andhra Pradesh	Indira Gandhi Zoological Park	Visakhapatnam	
	Assam	Assam State Zoo Cum Botanical Garden	Guwahati	
	Bihar	Sanjay Gandhi Biological Park	Patna	
	Delhi	National Zoological Park	Delhi	
	Gujarat		Kamla Nehru Zoological Garden	Ahmedabad
			Sakkarbaug Zoo	Junagarh
	Karnataka		Bannerghatta Biological Park	Bengaluru
			Dr. K.Shivarma Karanth Piliikula Biological Park	Mangalore

Category	State	Name of the Zoo	Location
		Sri Chamarajendra Zoological Gardens	Mysore
	Odisha	Nandankanan Biological Park	Bhubaneshwar
	Punjab	Mahendra Chaudhury Zoological Park	Chhatbir, Chandigarh
	Tamil Nadu	Arignar Anna Zoological Park	Vandalur, Chennai
	Telangana	Nehru Zoological Park	Hyderabad
	Uttar Pradesh	Nawab Wazid Ali Shah Zoological Garden	Lucknow
<b>Total Large Zoo</b>			<b>14</b>
Medium Zoo	Andhra Pradesh	Sri Venkateswara Zoological Park	Tirupati
	Chhattisgarh	Kanan Pandari Zoo	Bilaspur
		Maitri Baagh Zoo	Bhilai
	Gujarat	Dr. Shyamaprasad Mukharjee Zoological Garden	Surat
		Indroda Nature Park	Gandhi Nagar
		Rajkot Municipal Zoo	Rajkot
		Sayaji Baug Zoo	Vadodara
	Jharkhand	Bhagwan Birsa Biological Park	Ranchi
		Jawaharlal Nehru Biological Park	Bokaro
		Tata Steel Zoological Park	Jamshedpur
	Kerala	State Museum & Zoo	Thrissur
		Thiruvananthapuram Zoo	Thirunvananthapuram
	Madhya Pradesh	Kamla Nehru Prani Sanghralhalaya Zoo	Indore
		Van Vihar National Park Zoo	Bhopal
	Maharashtra	Rajiv Gandhi Zoological Park And Wildlife Research Center	Pune
Veermata Jijabai Bhosale Udyan & Zoo		Mumbai	



Category	State	Name of the Zoo	Location
	Manipur	Manipur Zoological Garden	Iroisemba
	Nagaland	Nagaland Zoological Park, Rangapahar	Rangapahar
	Rajasthan	Jaipur Zoo	Jaipur
		Jodhpur Zoo	Jodhpur
	Tamil Nadu	Childrens Park	Guindy, Chennai
		Madras Crocodile Bank Trust/Centre For Herpetology	Mahabalipuram
		V.O.C. Park Mini Zoo	Coimbatore
	Tripura	Sepahijala Zoological Park	Sepahijala, Agartala
	Uttar Pradesh	Kanpur Zoological Park	Kanpur
	West Bengal	Alipore Zoological Garden	Kolkata
Padmaja Naidu Himalayan Zoological Park		Darjeeling	
<b>Total Medium Zoo</b>			<b>27</b>
Small Zoo	Andaman & Nicobar Islands	Biological Park, Chidiyatapu	Port Blair
	Andhra Pradesh	Deer Park, Kandaleru	Kandaleru
	Arunachal Pradesh	Biological Park, Itanagar	Itanagar
	Chhattisgarh	Nandanvan Jungle Safari (Naya Raipur)	New Raipur
	Goa	Bondla Zoo	Usgao
	Haryana	Rohtak Zoo	Rohtak
	Himachal Pradesh	Dhauladhar Nature Park	Gopalpur
		Himalayan Nature Park	Kufri
	Karnataka	Bellary Childrens Park-Cum-Zoo (Bellary Zoo)	Bellary
Children Park & Binkadakatti Zoo (Gadag Zoo)		Gadag	

Category	State	Name of the Zoo	Location	
		Kittur Rani Cannamma Nisarg Dhama Mini Zoo	Belgaum	
		Tiger & Lion Safari	Shimoga	
		Kerala	Parassinikkadavu Reptile Park	Kanur
	Madhya Pradesh	Gandhi Zoological Park	Gwalior	
	Maharashtra		Aurangabad Municipal Zoo	Aurangabad
			Maharajbag Zoo	Nagpur
			Mahatma Gandhi Rashtriya Udyan Zoo	Solapur
			Nisargakavi Bahinabai Choudhary Pranisanghalaya	Chinchiwad, Pune
			Sanjay Gandhi National Park And Zoo	Borivali
	Meghalaya	Nehru Park Zoo	Danakgre, Tura	
	Mizoram	Aizawl Zoo	Aizwal	
	Odisha		Indira Gandhi Park Zoo	Rourkela
			Kapilash Zoo	Dhenkanal
			Wild Animal Conservation Center	Mothijharan, Sambalpur
	Punjab		Deer Park, Bir Moti Bagh	Patiala
			Ludhiana Zoo	Ludhiana
	Rajasthan		Kota Zoo	Kota
			Marudhara Biological Park	Bikaner
			Sajjangerh Biological Park	Udaipur
	Sikkim	Himalayan Zoological Park	Bulbuley, Gangtok	
	Tamil Nadu		Amirdhi Zoo	Vellore
Chennai Snake Park Trust			Guindy, Chennai	
Kurumbapatti Zoological Park			Salem	
Telangana	Vanavigyan Kendra	Hanamkonda, Warangal		

Category	State	Name of the Zoo	Location
	Uttarakhand	Pt. GB Pant High Altitude Zoo	Nainital
	West Bengal	Bardhaman Zoological Park (Ramnabagan Mini Zoo)	Burdwan
		Jungle Mahal Zoological Park	Jhargram
		Marble Palace Zoo	Kolkata
<b>Total Small Zoo</b>			<b>38</b>
Mini Zoo	Andhra Pradesh	Deer Park, Chittoor	Chittoor (East) Division
		Deer Park,NFCL Green Belt	Kakinada
		Deer Park G.V.K.Industires	Jegurupadu
	Arunachal Pradesh	Miao Mini Zoo	Miao
		Mini Zoo, Roing	Roing
	Assam	Bijni Deer Park	Bongaigaon
	Dadra & Nagar Haveli	Lion Safari - Vasona	Vasona
	Delhi	A.N.Jha Deer Park	New Delhi
	Gujarat	Sundervan Nature Discovery Centre	Jodhpur Tekra (Ahmedabad)
	Haryana	Deer Park,Hissar	Hissar
		Mini Zoo,Bhiwani	Bhiwani
		Mini Zoo,Pipli	Pipli
	Himachal Pradesh	Renuke Mini Zoo	Sirmur
		Rewalsar Mini Zoo	Mandi
		Sarahan Phesantry	Sarahan
	Jammu & Kashmir	Manda Deer Park	Ramnagar (Jammu)
		Mini Zoo, Pahalgam	Pahalgam
	Jharkhand	Birsa Mrig Vihar	Kalimati
		Mugger Breeding Centre (Muta Zoo)	Muta
			Deer Park At Shri Kshetra Sogal,

Category	State	Name of the Zoo	Location
	Karnataka	Soudatti	
		Deer Park, N.M.D.C. Ltd.	Donimalai
		Indira Priyadarshini Sangrahalaya, Anagodu	Davangere Taluk
		Mini Zoo A. M. Gudi Balvana	Chitradurga
		Mini Zoo At Gendekatte	Hassan
		Mini Zoo Cum Children Park	Gulbarga
		Namadachilume Deer Park	Tumkur
		Tungabhadra Dam Mini Zoo	Bellary
	Kerala	Kodanadu Zoo	Kodanadu
		Lion Safari Park At Nayyar Dam (Nayyar Mini Zoo)	Thirunvananthapuram
		Snake Park, Malampuzha	Malampuzha
	Madhya Pradesh	Maharaja Martand Singh Jeedo White Safari and Zoo, Mukundpur	Satna
	Maharashtra	Maharaja Shahaji Chhatrapati Zoo	Kolhapur
		Snake Park, Shikshan Mandal	Kolhapur
	Meghalaya	Lady Hydari Park Animal Land (Meghalaya Zoo)	Shillong
	Mizoram	Deer Park, Thenzawl	Thenzawl
	Odisha	Deer Park, Cuttack Municipal Corporation	Cuttack
		Deer Park, Papadahandi	Nawarangpur
		Gharial Research & Conservation Unit	Tikarpara
		H.A.L. Deer Park, Sunabeda, Koraput	Sunabeda
		Harishankar Deer Park	Balangir
Kuanria Deer Park, Nayagarh Forest Division		Nayagarh	

Category	State	Name of the Zoo	Location
		Taptapani Deer Park	Parlakhemundi
	Punjab	Deer Park, Bir Talab	Bhatinda
		Deer Park, Neelon	Ludhiana
	Rajasthan	Panchwati Deer Park	Pilani
		Safari Park, Haridasji-Ki-Magri	Udaipur
	Tamil Nadu	Deer Park, Ooty	Udhagamandalam
		Shivganga Garden Mini Zoo	Thanjavur
	Telangana	Deer Park - Tech Mahindra Technology Center	Ranga Reddy
		Deer Park, Kesoram Cement	Basant nagar
		Deer Park, Jawahar Lake Tourist Complex	Shamirpet
		Himayat Sagar Mini Zoo	Ranga Reddy
		Karimnagar Deer Park	Karimnagar
		Kinnerasani Deer Park	Kinnersari
		Pillalamarri Deer Park,	Mahabub Nagar
		Sanghi Deer Park	Sanghi Nagar
	Uttar Pradesh	Lion Breeding Centre and Multiple Safari Park, Etawah	Etawah
		Nawabganj Deer Park	Unnao
		Sarnath Deer Park	Varanasi
		Van Prani Udyan, I.V.R.I.	Izatnagar, Bareilly
		Vinod Van Mini Zoo, Ramgarh (Gorakhpur Zoological Park)	Gorakhpur
	Uttarakhand	Deer Park, Narain Tewari Dewal	Almora
		Malsi Deer Park	Dehradun
	West Bengal	Adina Deer Park	Malda
		Gar Chumuk Deer Park	Howrah
		North Bengal Wild Animals Park	Jalpaiguri

Category	State	Name of the Zoo	Location
		Rasikbeel Mini Zoo	Cochbihar
		South Khairbari Rescue Centre	Madarihat
		Sundarban Wild Animal Park, Jharkali	Dist.24 Parganas South
		Surulia Mini Zoo, Purulia	Purulia
<b>Mini Zoo Total</b>			<b>71</b>
Circus	Uttar Pradesh	Apollo Circus	Bulandshahar
		Asiad Circus	Kanpur
<b>Circus Total</b>			<b>2</b>
Rescue Center	Andhra Pradesh	Karuna Wildlife Rescue and Rehabilitation Centre - Rayalaseema	Beedupalli, Anantapuram District
	Arunachal Pradesh	Centre for Bear Rehabilitation and Conservation	Pakke
	Assam	Centre for Wildlife Rehabilitation and Conservation	Golaghat
	Haryana	Ch. Surinder Singh Elephant Rescue Centre	Basantour
		Vulture Conservation Breeding Center	Pinzore
		Wildlife Rescue Centre	Gurgaon
	Himachal Pradesh	Nehru Phesantary	Manali
		Rescue and Rehabilitation Home	Tutikandi
	Karnataka	People for Animals - Rescue Centre	Bengaluru
	Maharashtra	Amtes Animal Ark Rescue Centre	Hemalkasa, Gadchiroli District
		Leopard Rescue Centre	Manikdoh
		People for Animals, Shelter House	Wardha
		Rescue Centre at Gorewada	Nagpur
Uttar Pradesh	Agra Bear Rescue Facility	Agra	
West Bengal	Nature Park at Taratola Road	Kolkata	

Category	State	Name of the Zoo	Location
<b>Rescue Center Total</b>			<b>15</b>
<b>Grand Total</b>			<b>167</b>

### 4.3 Conservation Breeding Programme

The Central Zoo Authority is coordinating planned Conservation Breeding Programme of 73 identified critically endangered wild animal species in Indian zoos, out of which 26 endangered animal species has been prioritized for the programme. The conservation breeding programme has been launched for 23 animal species. The target is to have at least 100 properly bred and genetically, physically and behaviorally healthy individuals of each targeted species in captivity in Indian zoos for proper display and as insurance for future exigencies and ultimate release back into their habitat in the wild.

During the financial year 2016-17, the CZA provided financial assistance for carrying forward the conservation breeding programme for One-horned rhinoceros, Vultures, Mouse deer, Hollock Gibbon and Blyth's tragopan etc.

Details of the financial assistance provided under the Conservation Breeding Programme for new and ongoing projects during the financial year 2016-17 is given below:

Sl. No.	Name of zoo	Species	Activity	Amount (₹ in lakhs)
1.	Nehru Zoological Park, Hyderabad	Mouse Deer	Feed & upkeep of animals, salary of Biologist & animal keeper etc.	13.90
2.	Nehru Zoological Park, Hyderabad	Vulture	Upkeep of animals, salary of Biologist, salary of animal keeper for maintenance of Conservation Breeding Centre	13.92
3.	Biological Park, Itanagar	Hoolock	Salary of Biologist, salary	23.75

Sl. No.	Name of zoo	Species	Activity	Amount (₹ in lakhs)
		Gibbon	of animal keeper for maintenance of Conservation Breeding Centre	
4.	Nagaland Zoological, Dimapur	Blyth's tragopan	Maintenance of Conservation Breeding Centre	16.22 (10.72+5.50)
5.	Vulture Conservation Breeding Centre	Vulture	For installation of CCTV camera for monitoring of Vulture.	9.50
6.	Sanjay Gandhi Biological Park, Patna	One horned rhinoceros	Construction of breeding enclosure	232.67

Further, the Central Zoo Authority has approved the Nandanvan Jungle Safari, Naya Raipur, Chattishgarh as coordinating Zoo for Conservation Breeding programme of Wild Buffalo (*Bubalus bubalis arnee*).

The efforts in the direction of conservation breeding of endangered species have yielded excellent results over the years. The following is the detail of few species that has been bred successfully in the captivity during the last three years:

#### Mouse Deer (*Moschiola indica*)

Year	Male	Female	Unsex	Total
2014-2015	29	44	42	115
2015-2016	39	40	82	161
2016-2017	80	61	81	222

#### Lion – tailed macaque (*Macaca silenus*)

Year	Male	Female	Unsex	Total
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2014-2015	27	25	9	61
2015-2016	9	7	4	20
2016-2017	24	23	6	53

**Snow Leopard (*Uncia uncia*)**

Year	Male	Female	Unsex	Total
2014-2015	4	10	0	14
2015-2016	1	9	0	10
2016-2017	3	9	0	12

**Red Panda (*Ailurus fulgens fulgens*)**

Year	Male	Female	Unsex	Total
2014-2015	13	13	0	26
2015-2016	14	9	3	26
2016-2017	10	11	2	23

**Western Tragopan (*Tragopan melanocephalus*)**

Year	Male	Female	Unsex	Total
2014-2015	15	14	0	29
2015-2016	16	13	0	29
2016-2017	16	11	0	27

**Cheer pheasant (*Catreus wallichii*)**

Year	Male	Female	Unsex	Total
2014-2015	22	13	0	35

2015-2016	22	32	0	54
2016-2017	18	28	0	44

#### 4.4 Exchange/ Transfer of animals among recognized zoos approved by the CZA

During the financial year 2016-17, the CZA has approved 64 animal exchange proposals of various animal species between Indian Zoos. It has also approved 9 exchange proposals pertaining to the Indian and foreign Zoos. Three exchange proposals between Indian Zoos have not been approved by the authority.

##### 4.4.1 Exchange of captive animals between Indian Zoos

The 64 nos. of animal exchange proposals between Indian Zoos has been approved by the authority as per the details given below:

Sl. No.	Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
1	Nehru Zoological Park, Hyderabad		Bhagwan Birsa Biological Park, Ranchi, Jharkhand	
	Royal Bengal Tiger	1:1	Striped Hyena	1:1
			Leopard Cat	1:1
2	Van Vihar National Park-Zoo, Bhopal		Zoo & Rescue Center, Mukundpur, Satna, Madhya Pradesh	
	Panther	1:1		
3	Kamla Nehru Prani Sangrahalaya, Indore		Madras Crocodile Bank Trust, Mamallapuram	
	Black Cobra	1:1	Yellow Anaconda	1:2
	Indian Monitor Lizard	1:1		
4	M.C.Zoological Park, Chhatbir, Chandigarh		Dr. Shyamaprasad Mukherjee Zoological Garden, Surat	
	Himalayan Black Bear	1:1	Smooth Coated Indian Otter	1:1
	Barking Deer	1:2	Four Horned Antelope	1:1
	Golden Pheasant	1:1	White Peafowl	1:1
5	Kanpur Zoological Park, Kanpur		Assam State Zoo, Guwahati	
	Blackbuck	2:5	Stumped Tailed Macaque	1:2

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
	Striped Hyena 1:0	Leopard Cat 2:2
6	Sri Chamarajendra Zoological Gardens, Mysuru	Madras Crocodile Bank Trust, Mamallapuram
		Indian Rock Python 2:2
7	Kanpur Zoological Park, Kanpur	Nandanvan Zoo, Raipur
	Royal Bengal Tiger 1:1	Asiatic Lion 1:1
8	Madras Crocodile Bank Trust, Mamallapuram	Bannerghatta Biological Park, Bengaluru
	Indian rock python 3:3	
9	Kanpur Zoological Park, Kanpur	Sri Chamarajendra Zoological Garden, Mysuru
	Rhesus macaque 1:1	Lady Amherst's Pheasant 2:2
10	Kanan Pendari Zoological Garden, Bilaspur	Machia Biological Park, Jodhpur
	Sloth Bear 1:1	Indian Gazelle 2:4
	Hyena 1:0	
11	Nahargarh Biological Park, Jaipur	Bannerghatta Biological Park, Bengaluru
	Gharial 2:0	Sangai deer 2:2
	Jackal 2:1	
12	Kanan Pendari Zoological Garden, Bilaspur	Nehru Zoological Park, Hyderabad
	Ratel 1:0	Indian Gaur 1:1
	Hippopotamus 1:0	
13	Arignar Anna Zoological Park, Vandalur, Chennai	Zoological Garden, Thiruvananthapuram
	Reticulated Python 2:2	Hog Deer 3:3
	White Peafowl 2:2	Rhea 2:2
14	Arignar Anna Zoological Park, Chennai	Sri Chamarajendra Zoological Gardens, Mysuru
	Rhesus Macaque 2:4	Nilgai 2:6
	Reticulated Python 1:1	Common Ring Necked 1:1

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
		Pheasant
	Sambar 1:2	Silver Pheasant 0:2
15	Nahargarh Zoological Park, Jaipur	Kanan Pendari Zoological Garden, Bilaspur
	Wolf 1:3	Lion 1:1
16	Sri Chamarajendra Zoological Gardens, Mysuru	Sanjay Gandhi National Park Zoo, Borivali, Mumbai
	Rusty Spotted cat 1:1	Rusty Spotted Cat 1:2
17	Nawab Wajid Ali Shah Zoological Garden, Lucknow	Indira Gandhi Zoological Park, Visakhapatnam
	Swamp deer 1:1	Jungle cat 2:0
18	Nahargarh Biological Park, Jaipur	Sajjagarh Biological Park, Udaipur
	Indian Wolf 0:1	
19	Arignar Anna Zoological Park, Chennai	Sajjagarh Biological Park, Udaipur
	White Tiger 1:0	
20	Machia Biological Park, Jodhpur	Arignar Anna Zoological Park, Vandalur
	Wolf 0:1	
21	Arignar Anna Zoological Park, Vandalur	Nahargarh Biological Park, Jaipur
		Wolf 0:1
22	Kota Zoo, Kota (to be relocated to Abhedha biological Park)	Machia Biological Park, Jodhpur
	Hybrid Lion 0:1	
23	Kota Zoo, Kota (to be relocated to Abhedha biological Park)	Nahargarh Biological Park, Jaipur
	Royal Bengal Tiger 0:1	
24	Nehru Zoological Park, Hyderabad	Nandankanan Zoological Park, Bhubaneswar
	Royal Bengal Tiger 1:0	Royal Bengal Tiger 0:1
	Mouse Deer 5:2	Mouse Deer 0:1

Sl. No.	Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
	White Peafowl	1:1	Water Monitor Lizard	1:2
	Red Jungle Fowl	2:3		
	Painted Stork	2:2		
	Mugger Crocodile	2:3		
25	Sri Chamarajendra Zoological Gardens, Mysore		Arignar Anna Zoological Park, Vandalur, Chennai	
	Brow Antlered Deer	2:3	Lion Tailed Macaque	1:1
	Lady Amherst Pheasant	1:1		
26	Sri Sayajibaug Zoo, Vadodara		Kamla Nehru Zoological Garden, Ahmedabad	
	Blue Crowned Pigeon	0:1	Hog Deer	2:2
	Silver Pheasant	1:1	Jackal	1:1
			Porcupine	2:2
			Indian Rock Python	2:2
			Spoonbill	2:2
			Painted Stork	1:1
27	Zoological Garden, Alipore, Kolkata		North Bengal Wild Animals Park, Siliguri	
	Bengal Tiger	1:1		
28	Padmaja Naidu Himalayan Zoological Park, Darjeeling		National Zoological Park, New Delhi	
	Himalayan Goral	1:0	Himalayan Goral	1:2
	Lady Amherst Pheasant	0:2	Barking Deer	2:0
	Barking Deer	2:0	Red Jungle Fowl	2:3
	Red Jungle Fowl	2:3	Kaleej Pheasant	1:2
	Kaleej Pheasant	1:2		
29	Pilikula Biological Park, Mangalore		Rajkot Zoological Park, Rajkot, Gujarat	
	Indian Cobra	2:2	Rhesus Macaque	0:1
	Indian Rock Python	2:2	Common Langur	0:1
	Checkered Keelback	2:2		
	Green Vine Snake	1:1		
	Whitaker's Boa	2:2		
	Russell's Viper	2:2		

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
	Rat Snake 2:2	
	Motane Trinket Snake 1:1	
	Marsh Crocodile 0:0:4	
	Rose Ringed Parakeet 1:1	
	Budgerigar 0:0:4	
30	Kanan Pendari Zoological Garden, Bilaspur	Nahargarh Biological Park, Jaipur
		Wolf 1:2
31	Nawab Wajid Ali Shah Zoological Garden, Lucknow	Indira Gandhi Zoological Park, Vishakhapatnam
	Swamp Deer 1:1	Jungle Cat 2:0
32	Sri Chamarajendra Zoological Gardens, Mysore	Rajkot Zoological Park, Rajkot
	Indian Grey Wolf 1:1	Asiatic Lion 1:0
	Himalayan Black Bear 1:0	
	Hog Deer 0:2	
	Common Sand Boa 2:0	
	Alexandrine Parakeet 1:1	
	Lady Amherst Pheasant 1:1	
	Red Jungle Fowl 2:2	
	White Ibis 1:1	
	Rose Ringed Parakeet 1:1	
	Budgerigar 10:10	
	Java Sparrow 3:3	
33	Sri Chamarajendra Zoological Gardens, Mysuru	Sanjay Gandhi National Park Zoo, Borivali, Mumbai
	Rusty Spotted Cat 1:1	Rusty Spotted Cat 1:1
34	Nahargarh Biological Park, Jaipur	Machia Biological Park, Jodhpur
	Himalayan Black Bear 1:0	Asiatic Lion 1:1
35	Nawab Wajid Ali Shah Zoological Garden, Lucknow	Nandankanan Zoological Park, Bhubaneswar
	Painted Stork 2:2	Sloth Bear 2:1

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
	Gharial 2:0	
	Swamp Deer 3:2	
36	Nawab Wajid Ali Shah Zoological Garden, Lucknow	Bhagwan Birsa Biological Park, Ranchi
	Common Leopard 0:2	Sloth bear 2:0
37	Nawab Wajid Ali Shah Zoological Park, Lucknow	Lion Breeding Centre and Multiple Safari Parks, Etawah
	Blackbuck 1:9	
38.	Nawab Wajid Ali Shah Zoological Park, Lucknow	Lion Breeding Centre and Multiple Safari Parks, Etawah
	Leopard 2:1	
39	Kanpur Zoological Park, Kanpur	Lion Breeding Centre and Multiple Safari Parks, Etawah
	Blackbuck 4:6	
40	Kanpur Zoological Park, Kanpur	Lion Breeding Centre and Multiple Safari Parks, Etawah
	Leopard 3:2	
41	Kamla Nehru Prani Sangrahalaya, Indore	Rajkot Zoological Park, Rajkot
	Indian Fox 2:2	White Tiger 0:1
	White Peafowl 1:1	
	Alexandrine Parakeet 1:1	
	Golden Pheasant 1:0	
42	Rajkot Zoological Park, Rajkot	Sakkarbaug Zoological Park, Junagadh
		Chinkara 1:2
43	Indroda Nature Park, Gandhinagar	Sakkarbaug Zoo, Junagarh
		Royal Bengal Tiger* 0:1
		Leopard 2:2
44	Sri Chamarajendra Zoological Gardens, Mysore	Dr. S. M. Zoological Garden, Surat
	Black Swan 1:1	Smooth Coated Otter 1:1
	Striped Hyena 1:1	

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
45	Kamla Nehru Prani Sangrahalaya, Indore	Indira Gandhi Zoological Park, Visakhapatnam
	Bengal Tiger 1:0	White Tiger 1:1
46	Kanpur Zoological Park, Kanpur	Pt. G.B. P. High Altitude Zoo, Nainital
	Sliver Pheasant 2:0	Silver Pheasant 2:0
	Golden Pheasant 1:1	Golden Pheasant 1:1
	Red Jungle Fowl 2:3	Kalij Pheasant 2:3
	Lady Amherst Pheasant 1:1	Lady Amherst Pheasant 1:1
	Budgerigar 0:0:6	
47	Arignar Anna Zoological Park, Chennai	Nandankanan Biological Park, Bhubaneswar
	Nilgiris Langur 1:1	Himalayan Black Bear 1:1
	Reticulated Python 1:1	Water Monitor Lizard 1:1
	White Peafowl 2:2	Siamese Crocodile 1:0
	Painted Stork 0:0:10	Open Bill Stork 2:2
	Hyena 0:1	White Ibis 5:5
		Hyena 1:0
48	Safari Park Haridas Ji ki Magri, Udaipur	Sajjangerh Biological Park, Udaipur
		Spotted Deer 0:2
49	M.C. Zoological Park, Chattibir	Mini Zoo Cum Deer Safari Bir Talab , Bhatinda
	Leopard 2:1	
50	Zoological Garden Alipore, Kolkata	Sakkarbaug Zoological Park, Junagadh
	Giraffe 1:1	Asiatic Lion 1:1
		Four Horned Antelope 1:1
		Chinkara 2:2
51	Pilikula Biological Park, Mangaluru	Sajjangerh Biological Park, Udaipur
	Bengal Tiger 1:0	Alexandrine Parakeet 1:1
		Blossom Headed Parakeet 1:1
		Rose Ringed Parakeet 1:3
52	Kanan Pendari Zoological Garden, Bilaspur	Tata Steel Zoological Park, Jamshedpur



Sl. No.	Name of the Zoo and animals to be given		Name of the Zoo and animals to be given	
	Hyena	1:0	Blackbuck (Albino)	2:4
	Cockatiel	6:6	Hog Deer	0:2
	Budgerigar	8:6		
53	Nawab Wajid Shah Zoological Garden, Lucknow		Bhagwan Birsa Biological Park, Ranchi	
	Wolf	1:2	Hybrid lion	1:1
54	Himalayan Zoological Park, Gangtok		Pandit Gobind Ballabh Pant High Altitude Zoo, Nainital	
	Red-Panda	0:1	Red-Panda	0:1
55	Dr. S. M. Zoological Garden, Surat		Rajkot Zoological Park, Rajkot	
	Smooth Indian Otter	1:1		
	Jackal	2:2		
	Peafowl (White)	1:1		
56	Nehru Zoological Park, Hyderabad		Zoological Garden, Thiruvananthapuram	
	Asiatic Lion	1:1	Lion-tailed Macaque	1:1
			White Rhea	1:1
			Brown Rhea	1:1
57	Kanpur Zoological Park, Kanpur		Zoological Garden, Thiruvananthapuram	
	Striped Hyena	1:1	Brown Rhea	1:1
			White Rhea	1:1
58	M.C. Zoological Park, Chhatbir		Deer Park, Hissar	
	Sambar	1:1		
	Barking Deer	1:2		
59	M.C. Zoological Park, Chhatbir		Mini Zoo, Bhiwani	
	Leopard	0:1		
60	Nawab Wazid Ali Shah Zoological Park, Lucknow		Lion Breeding Centre and Multiple Safari Parks, Etawah	
	Sloth bear	3:1		

Sl. No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
	Mysuru	
	Brow Antlered Deer	1:1
	Lady Amherst Pheasant	1:1
	Wild Dog	1:1
62	Sri Chamarajendra Zoological Gardens, Mysuru	State Zoo, Umtrew
		Himalayan Black Bear 1:0
63	Aizawl Zoological Park, Mizoram	Nehru Zoological Park, Hyderabad
	Pig –tailed Macaque	1:1
64	Pilikula Biological Park, Mangaluru	Bannerghatta Biological Park, Bengaluru
	Bengal tiger	1:0
	Common langur	1:0
	Golden jackal	4:4
	Common palm civet	1:1
	Barking deer	2:2
	Red jungle fowl	2:2
	Lesser whistling teal	0:0:2

#### 4.4.2 Exchange proposal between Indian and foreign Zoos

During the financial year 2016-17, nine exchange proposals between Indian and Foreign Zoos have been approved as per the details given in table below:

Sl.No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
1	Veermata Jijabai Bhosale Udyan & Zoo, Mumbai	Coex Aquarium, Seoul, Korea
		Humboldt penguin 3:5
2	Zoological Garden, Alipore, Kolkata	Kanazawa Zoological Gardens, Yokohama
		Grey Kangaroo 2:2
3	Bhagwan Birsa Biological Park, Ranchi	Zoological Centre, Tel Aviv, Ramat Gan (Safari), Israel.

Sl.No.	Name of the Zoo and animals to be given	Name of the Zoo and animals to be given
		Grants zebra 2:2
4	Bannerghatta Biological Park, Bengaluru	Pafos Zoo, Cyprus
	Giraffe 2:2	Indian elephant 0:2
5	Nawab Wajid Ali Shah Zoological Garden, Lucknow	Zoo Zlin, Czech Republic
	Black Necked Stork 3:1	Red Necked Wallaby 4:4
		Greater Flamigo 4:4
6	Sri Chamarajendra Zoological Gardens, Mysore	National Zoological Park, Dehiwala, Srilanka
	Black Buck 2:2	Green Anaconda 3:3
	Nilgai 2:2	
7	Madras Crocodile Bank Trust, Mamallapuram	Dallas World Zoo and Aquarium, Dallas, USA
		Orinoco Crocodile 1:1
8	Zoological Garden, Thiruvananthapuram	Mystic Monkeys and Feathers, Wildlife Park, Bela-Bela, South Africa
		Giraffe 2:2
		Zebra 2:3
		Lion 2:2
		Jaguar 1:1
9	Sri Chamarajendra Zoological Gardens, Mysuru	Zoological Centre Tel Aviv – Ram Gan (Safari), Israel
		Zebra 1:3

#### 4.4.3 Permission to house rescued animals in zoos:

During the year 2016-2017, the Technical Committee of the Central Zoo Authority has approved proposals to house rescued animals at following zoos subject to conditions specified therein:

1. Van Vihar National Park Zoo, Bhopal
2. Nahargarh Biological Park, Nahargarh, Jaipur
3. Jodhpur Zoo, Jodhpur

#### **4.4.4 Proposal for release of surplus crocodiles in the wild:**

The Technical Committee, CZA in its 81<sup>st</sup> meeting held on 24<sup>th</sup> January, 2017 conveyed in-principle approval for the proposal from the Mahatma Gandhi Zoo, Solapur, Maharashtra for release of 16 Sub-adult Marsh Crocodile at Chandoli Dam, Maharashtra subject to compliance with conditions specified therein. Implementation of the decision is yet to be received from the zoo.

#### **4.5 Maintenance of Studbooks**

The Central Zoo Authority has granted a project titled "Development and Maintenance of Studbooks for Selected Endangered Species in Indian Zoos" to the Wildlife Institute of India, Dehradun. Under the project the Wildlife Institute of India, Dehradun has been assigned the work of preparation, updation and maintenance of National Studbooks/ Herd books of the identified endangered wild animal species listed in Schedule I and II of Wild Life (Protection) Act, 1972 housed in Indian zoos.

The Central Zoo Authority and the Wildlife Institute of India (WII), Dehradun have signed MoU on 27.03.2012 for preparation, updation and maintenance of National Studbooks / Herdbooks of identified endangered species of captive animals housed in Indian Zoos. Under the MoU, the WII shall execute the work of updation and maintenance of existing Studbooks of 14 species which include Royal Bengal Tiger, Asiatic lion, Lion tailed macaque, One-horned rhinoceros, Hoolockgibbon, Wild ass, Gaur, Tibetan wolf, Nilgiri langur, Wild dog, Red panda, Snow leopard, Clouded leopard and Bhutan grey pheasant.

In addition, the Wildlife Institute of India, Dehradun shall prepare, update and maintain National Studbooks / Herdbooks of 20 endangered wild animal species in captivity such as Chinkara, Grey wolf, Golden langur, Indian pangolin, White backed vulture, Long billed vultures, Slender billed vulture, Nicobar pigeon, Pig tailed macaque, Serow, Spectacle langur, Swamp deer, Cheer pheasant, Himalayan monal, Western tragopan, Chousinga, Mouse deer, Stump-tailed macaque, Sangai and Blue sheep.

The Wildlife Institute of India, Dehradun so far has updated the existing Studbooks of 13 species out of 14 and has prepared the Studbooks for 10 out of 20 identified species. The progress in this regard is as follows:

(a) Updation of the Studbook which was prepared earlier (prior to 2012-2013):

S. No.	Species	Progress	Date of submission	Annual updation
1	Royal Bengal Tiger	Not updated till date	Nil	Nil
2	Asiatic Lion	Data upto Dec., 2013 & published in May, 2014	May, 2014	once
3	Lion Tailed Macaque	Data upto June, 2015 & published in July 2015	05.08.2015	once
4	One horned Rhinoceros	Published in December 2016	20.12.2016	once
5	Hoolock Gibbon	Data upto March, 2015 & published in April, 2015	11.06.2015	once
6	Wild Ass	Data upto Dec., 2015 & published April, 2016	03.05.2016	once
7	Gaur	Data upto May, 2015 & published in June, 2015	08.07.2015	once
8	Tibetan Wolf	Data upto Dec., 2013 & published in Aug., 2014	26.09.2014	once
9	Nilgiri Langur	Data upto Dec, 2014 & published in March, 2015	17.04.2015	once
10	Wild Dog	Published in January, 2017	19.01.2017	once
11	Red Panda	Data upto Dec., 2013 & published in May, 2014	13.08.2014	once
12	Snow Leopard	Data upto June, 2014 & published in Nov., 2014	24.02.2015	once
13	Clouded Leopard	Data upto June, 2014 & published in Nov., 2014	16.12.2014	once
14	Bhutan Grey Pheasant	Data upto March, 2016 & published in April, 2016	09.05.2016	once

(b) Preparation, updation and Maintenance of studbook for new species (from 2012 - 2013):

S. No.	Species	Progress	Date of submission	Annual updation
1	Chinkara	Not prepared till date	Nil	Nil
2	Grey Wolf	Not prepared till date	Nil	Nil
3	Golden Langur	Data upto Dec., 2013 & published in March, 2014	23.04.2014	once
4	Indian Pangolin	Data upto Dec., 2013 & published in March, 2014	31.03.2016	once
5	White Backed Vulture	Not prepared till date	Nil	Nil
6	Long billed vulture	Not prepared till date	Nil	Nil
7	Slender Billed Vulture	Not prepared till date	Nil	Nil
8	Nicobar Pigeon	Not prepared till date	Nil	Nil
9	Pig Tailed Macaque	Data upto Dec., 2013 & published in March, 2014	23.04.2014	once
10	Himalayan Serow	Data upto March, 2016 & published in June, 2016	20.07.2016	once
11	Spectacle Langur	Data upto Dec., 2013 & published in March, 2014	22.09.2014	once
12	Swamp Deer	Not prepared till date	Nil	Nil
13	Cheer pheasant	Data upto Dec., 2015 & published in May, 2016	06.06.2016	once
14	Himalayan monal	Data upto March, 2016 & published in June, 2016	05.07.2016	once
15	Western Tragopan	Data upto Nov., 2015 & published in Jan., 2016	06.01.2016	once
16	Chousingha	Not prepared till date	Nil	Nil
17	Mouse Deer	Not prepared till date	Nil	Nil
18	Stump Tailed Macaque	Data upto Dec., 2013 & published in March, 2014	26.05.2014	once
19	Sangai	Not prepared till date	Nil	Nil
20	Blue Sheep	Data upto Oct., 2014 & published in Jan, 2015	09.02.2015	once

A meeting was held on 20<sup>th</sup> July, 2016 at CZA Office premises to review the progress of the project, wherein the status of the compilation and updation of the various studbooks was discussed and various decision were taken. It was decided that the preparation and updation of Studbook for all the species should be completed on priority and it should be submitted to the Central Zoo Authority.

The future work includes updating of studbook of tigers and initiation of new studbooks for Four-horned antelope, Mouse deer, Swamp deer, Sangai, Chinkara, Vulture and Nicobar pigeon etc.

Similarly, the Central Zoo Authority granted a project of preparation, updating and maintenance of studbooks of Sloth bear, Himalayan black bear, Himalayan brown bear and Malayan sun bear housed in zoos to an NGO namely Wildlife SOS, New Delhi. The Central Zoo Authority has signed the MoU with Wildlife SOS for the above mentioned project to be completed within five years from 31.03.2011 and the first installment of grant was released during the month of March, 2011.

The objectives of the study as per MoU are mentioned below:

1. To execute the work of preparation, updating and maintenance of studbooks of Sloth bear, Himalayan black bear, Himalayan brown bear and Malayan sun bear housed in zoos.
2. To feed the data and complete the studbook including assigning national studbook numbers to all the individuals and also continue to add new animals for updating the studbooks of different species.
3. The Wildlife SoS shall be analyzing the data in studbooks and assist central Zoo Authority and Indian zoos for planned conservation breeding and exchange of the animals of the identified species in the zoos.
4. The Wildlife SoS shall liason with International Studbook keepers of Sloth bear, Himalayan black bear, Himalayan brown bear and Malayan sun bear numbers and exchange of animals between zoos in India and abroad.

On perusal of the progress report as submitted by the Wildlife SOS on 22.02.2016, after repeated reminders, it was observed that it has not been prepared as per the desired standard.

It was agreed in the signed MoU that Wildlife SOS should provide progress report on work assigned at every six months to the Central Zoo Authority. It was also agreed that the Wildlife SOS will provide first studbook after one year and then others at the interval of one year. However, the progress of the work has been found unsatisfactory and an ultimatum has been issued to either complete the project or to refund the amount of grant with interest thereon. Accordingly, the Wildlife SOS has returned the grant of Rs.3,52,000/- on 31.03.2017. The Wildlife SOS has been asked to deposit the interest on the grant from March, 2011.

#### **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 as on 31<sup>st</sup> March, 2017. The CZA is also reviewing the previously granted approval for Master (Layout) Plans of 84 Zoos and Master Plan of the 41 Zoos to ensure more insight of CZA for better development of the zoos.

During the current financial year, CZA has approved Master Plan of 12 Zoos as per details given below:

<b>S. No.</b>	<b>Name of the Zoo</b>
1	Nisargakavi Bahina Bhai Choudhary Prani Sangrahalaya, Pimpri Chinchwad, Maharashtra
2	Mini Zoo, Pipli, Haryana
3	Nalanda Prani Vihar, Rajgir, Bihar
4	Panther Safari at Roha, District Raigad, Maharashtra
5	Rohtak Zoo, Rohtak
6	Nehru Park cum Mini Zoo, Danakgre, Tura
7	North Bengal Wild Animals Park, Siliguri (Revised)
8	Jhargram Mini Zoo (renamed as Junglemahal Zoological Park)



S. No.	Name of the Zoo
9	Indroda Nature Park, Gandhinagar, Gujarat
10	Jawaharlal Nehru Biological Park, Bokaro, Jharkahnd
11	Biological Park, Chidiyatapu, Andaman & Nicobar Islands
12	Zoological Garden, Alipore, Kolkata

#### 4.6.2 Master (Layout) Plan

The Central Zoo Authority has also approved 16 Master (Layout) Plan of the following zoos till 31<sup>st</sup> March 2017:

S. No.	Name and location of the Zoo
1	Sayajibaug Zoo, Vadodara, Gujarat
2	State Zoo at Umtrew, Meghalaya (Revised)
3	Nalanda Prani Vihar, Rajgir, Bihar
4	Nehru Park cum Mini Zoo, Danakgre, Tura (Revised), Meghalaya
5	North Bengal Wild Animals Park, Siliguri (Revised), West Bengal
6	Adina Deer Park, Adina, Malda, West Bengal
7	Jungle Safari (Nandanvan Zoo and Safari), Naya Raipur, Chhattisgarh
8	Jungle mahal Zoological Park, Jhargram, West Bengal
9	Machia Biological Park, Jodhpur (Revision includes proposed Rescue Centre ), Rajasthan
10	International Zoo and Safari, Haldwani, Uttarakhand
11	Marudhara Biological Park, Bikaner, Rajasthan
12	Elephant Rescue and Rehabilitation Centre, Hunsur, Mysuru, Karnataka
13	Elephant Rescue cum Rehabilitation Centre in West Champaran

S. No.	Name and location of the Zoo
	District, Bihar
14	Revised Master (layout) Plan, Abheda Biological Park, Kota, Rajasthan
15	Revised Master (layout) Plan, Rajkot Zoological Park, Rajkot, Rajasthan
16	Revised Master (layout) Plan, Nandanvan Jungle Safari, Naya Raipur, Chhattisgarh

#### **4.7 Others**

##### **4.7.1 Transparency in the functioning of the CZA**

With an objective to enhance transparency in functioning of the Central Zoo Authority and for the benefit of all stakeholders, the website of the Central Zoo Authority has been revamped with updated information and following information have been scanned, uploaded on website of the CZA and placed in the public domain:

1. All Guidelines issued by the Central Zoo Authority
2. 67 publications of the Central Zoo Authority.
3. All Annual Reports of the Central Zoo Authority since its inception
4. 298 drawings of enclosures for endangered species in Indian zoos, approved by the CZA since year 1994.
5. 114 approved Master (Layout) Plans of zoos
6. 43 approved Master Plans for long term development of zoos
7. Updated information on all recognized zoos along with last three renewal of recognition letters.
8. Annual Inventory of all recognized zoos in the country for year 2016-17.

##### **4.7.2 Non-cash mode for receiving and making payment in Government Departments / PSUs:**

In accordance with decision of the Government of India with respect to using non-cash mode for receiving and making payment in Government Departments / PSUs, the Technical

Committee, CZA in its 81<sup>st</sup> meeting held on 24<sup>th</sup> January, 2017 directed operators of all zoos to comply with directives of the Government of India.

#### **4.7.3 Good practices adopted:**

Among various good practices adopted and initiatives taken up by the Central Zoo Authority during year 2016-17, prominent ones are Swacchta Abhiyan within the premises of the CZA Secretariat and minimization of paper consumption.

#### **4.7.4 Utilization Certificates:**

During the year 2016-17, the issue of pending Utilization Certificates from zoos across the country has been actively pursued and pendency has been reduced from 49 to 17. The report on execution of work with financial assistance from the CZA has been received from zoos across the country.

#### **4.8 Publication of Annual Inventory of animals in Indian Zoos for year 2016-17**

The Central Zoo Authority has developed a module for online submission of Annual Inventory of all recognized zoos in the country. For this purpose, every zoo has been provided a password for submission of inventory. It has been implemented for the inventory of the animals from the year 2016-2017.

#### **5.0 Human Resource Development**

##### **5.1 Training, Seminar and Workshop**

During the financial year 2016-17, the CZA had approved and organized following training programme for the human resource development in the zoos:

1. The Central Zoo Authority in association with Assam State Zoo cum Botanical Garden, Guwahati organized annual conference of Indian zoos on developing road map for zoos in India” from 23<sup>rd</sup> to 26<sup>th</sup> May, 2016 wherein 35 participants from various zoos benefitted.

2. The Central Zoo Authority has provided financial assistance to organise regional training programmes for Zoo Keepers on theme "Record keeping and marking of the animals in captivity" for the year of 2016-17 to Kanpur Zoological Park, Kanpur; Kamla Nehru Zoological Garden, Kankaria, Ahmedabad; Thiruvananthapuram Zoo, Thiruvananthapuram; Sanjay Gandhi Biological Park, Patna and Sepahijala Zoological Park, Agartala. The trainings were organized at Kanpur from 27 February to 05 March, 2017 wherein 32 participants from 16 zoos attended the training. In similar training at Ahmedabad from 17 to 23 January, 2017, there were 20 participants from 6 zoos; at Thiruvananthapuram training from 14 to 21 December, 2016, there were 15 participants from 4 zoos, at training organized at Patna from 9 to 14 January, 2017, there were 28 participants from 6 zoos and at Agartala from 2 to 6 January, 2017, 20 participants from 6 zoos attended the training.

3. The Central Zoo Authority in association with Malsi Deer Park, Dehradun, organized Annual conference of Indian Zoo on "Identification and marking of animals in captivity" for the year 2016-17 at Dehradun. In total 26 participants from various zoos attended the programme and benefitted.

4. The Central Zoo Authority has approved a training workshop under the MoU signed between the Central Zoo Authority and the Smithsonian National Zoological Park, Washington DC, USA. The proposed activities for the training workshop are Animal handling, identification/ear tagging, Veterinary workshop/anesthesia and general examination and implementation of a vaccination program for the zoo veterinarians working in various Indian Zoos.

5. During the current financial year, the Central Zoo Authority in association with Species 360, USA (former International Species Information System) organized six regional hands-on trainings for the data updation in its software, Zoological Information Management System (ZIMS), at the Bhagwan Birsa Biological Park, Ranchi; the Padmaja Naidu Himalayan Zoological Park, Darjeeling; the Kanpur Zoological Park, Kanpur; the Arignar Anna Zoological Park, Vandalur, Chennai; the Bannerghatta Biological Park, Bengaluru; office of the Central Zoo Authority, New Delhi; the Vulture Conservation Breeding Centre, Pinjore and the Pt. GB Pant High Altitude Park, Nainital. The participants from 29 identified zoos across the country attended this training.

## 5.2 International Co-operation

The Central Zoo Authority has signed an Memorandum of Understanding (MoU) with Smithsonian National Zoological Park, Washington, D.C., USA on 17<sup>th</sup> March 2016 to develop and implement joint research studies focussed on animal health and capacity building. To begin with, Mr. Dennis Kelly, Director, Smithsonian National Zoological Park, Washington & Dr. Brandie Smith, Associate Director of Animal Collections were invited to deliver lecture in the Annual Conference of Indian Zoos with theme "Developing future roadmap for Indian zoos" held at Guwahati, Assam during 23<sup>rd</sup> to 26<sup>th</sup> May, 2016. Mr. Dennis Kelly & Dr. Brandie Smith delivered the talks on "The Future of Zoos and Aquariums" and "Cooperative Population Management for Zoos" respectively. They also visited the Assam State Zoo, Guwahati and shared their views and suggestions related to the management of animals in captivity at this zoo.

Furthermore, a team consisting of Dr. Budhan S. Pukazhenth, Reproductive Physiologist, Center for Species Survival, Smithsonian Conservation Biology Institute, Mr. Steven Sarro, Curator; Dr. James Steeil, Veterinarian and Ms. Kali Holder, Global Health Fellow, Smithsonian National Zoological Park visited the National Zoological Park, New Delhi; the Lion Safari, Etawah; the Sri Chamarajendra Zoological Gardens, Mysore; the Bannerghatta Biological Park, Bengaluru and the Arignar Anna Zoological Park, Vandalur, Chennai in India from 14 to 23 June, 2016 with objectives to assess animal management and veterinary services and as well as to provide the technical advice on specific health and management issues in there zoos.

The team was impressed with the expanse and quality of exhibit space in most zoos and the expertise available for veterinary care found to be adequate. The recommendations/ advice was shared with each of the zoos visited by them. The major points of their recommendations are as follows:

1. All mammals be given rabies vaccination to help prevent disease, if exposed, to reduce public health concern.
2. Zoos with large cats (Lion and Tigers) should consider vaccinating their animals against Canine Distemper Virus (CDV) using the Recombitek monovalent CDV vaccine.
3. Zoos with on-going animal related medical issues should develop a comprehensive plan for addressing them and implement the same.

4. All ungulate collections should be ear tagged for easy identification, breeding management and medical procedures.
5. Most managed breeding programmes need a robust breeding (genetic management) program. It should be developed for most animals especially ungulate species. Plans to establish bachelor herds and limit breeding to one male per breeding season was strongly recommended.
6. Infrastructure such as chute systems, restraint devices for safe handling of animals as well as additional holding areas should be developed to improve management of animals. This would slow down population growth, control inbreeding and improve overall welfare of animals in select populations.
7. The night holding areas are inadequate in most zoos. They advised to increase the holding space, increasing lighting (natural & artificial), providing bedding materials (wood shavings, straw) and enrichment items.
8. It was suggested to develop a program to involve keepers in discussions with visitors of the zoos in "Keeper Chats" to share the information about species, its natural history and the current animals under their care.
9. The Government of India may want to consider establishing a 'Zoo Veterinary Cadre' so that the zoo veterinarians are able to stay in the job for extended period of time (several years) and gain experience managing wildlife species. The present system, wherein the veterinarian in the zoos for health care of the wild animals kept in captivity are employed on deputation basis from state animal husbandary department, lack experience or exposure on the part of such veterinarian in the health management of the wild animals.

The Member Secretary, CZA had also a series of discussions with the team and following areas have been identified as high priority for future training activities:

- (a) Zoo animal veterinary medicine
- (b) Animal identification and handling
- (c) Animal enrichment
- (d) Keeper training
- (e) Breeding/genetic management etc.

## **6.0 Research & Education**

The Central Zoo Authority reviewed the status of all research projects funded by the CZA. It was observed that many research projects are not progressing satisfactorily as per

the time line mentioned in the project proposal submitted to the CZA for financial assistance. Many of the projects have completed their time schedule mentioned in the MoU, but the project report has not been submitted. Accordingly, all the concerned authorities were advised to submit the pre-final draft report to the CZA for review and approval or to refund the amount released. In response, some zoos/organization/authorities have submitted the draft reports while one zoo has surrendered the financial assistance. The details of such projects are mentioned below:

<b>S.No.</b>	<b>Name of the project</b>	<b>Institute/ organization/ zoo</b>
1	Developing guidelines on principles of Zoo Designing for Zoos in India.	School of Planning and Architecture, New Delhi
2	Reproductive biology, breeding behavior & enrichment needs of the wild dog in captivity & observation on growth and cub development	Indira Gandhi Zoological Park, Visakhapatnam
3	Project proposal for Conservation Breeding of Brow Antlered Deer at National level in Indian Zoos	Zoological Garden, Alipore
4	Research proposal for Population control measures of prolifically breeding animals.	Arignar Anna Zoological Park, Vandalur, Chennai
5	Behavioral study on Clouded leopard	Sepahijala Zoo, Agartala
6	Standard protocol for maintaining live food for captive animals	Sri Chamaraejndra Zoological Park Mysore
7	Developing manual for the zoo educators	Centre for Environment Education, Ahmedabad
8	Study on utilization pattern of enclosure by sloth bear and enrichment requirement in non-conventional captivity	Wildlife SOS, New Delhi
9	Conservation of endangered animals based on the genetic polymorphism studies and assisted reproduction	CCMB/LaCONES, Hyderabad
10	To prepare and maintain studbooks for endangered species	Wildlife Institute of India, Dehradun
11	Red Panda Nutrition: Towards an integrated approach	Padmaja Naidu Himalayan Zoological Park, Darjeeling
12	Species Recovery and Conservation Breeding	CWLW, Govt. Of Himachal

S.No.	Name of the project	Institute/ organization/ zoo
	Plan for the Cheer Pheasant	Pradesh
13	Creation of National Referral Centre for diagnosis of diseases affecting captive wild animals – To provide service and advice to Indian zoos related to healthcare issues.	IVRI, Bareilly
14	Conducting study on the anti-venom requirement vis-à-vis handling of the snakes	Madras Crocodile Bank Trust Mammalapuram
15	Preparation and updating, studbooks of sloth bear, Himalayan black bear, Brown bear and Malayan sun bear housed in the Indian zoos	Wildlife SOS New Delhi
16	Studies on biology, breeding behaviour and aviary practices for improved performance of captive Himalayan Pheasants	Padmaja Naidu Himalayan Zoological Park, Darjeeling

## 7.0 Publications

During the current financial year the Central Zoo Authority has published the following publications:

1. Calendar for the year 2017 with theme "Twenty five years of Central Zoo Authority" which has been widely appreciated.
2. The publication of Annual "Inventory of animals in Indian Zoos 2016-17".
3. Publication of Indian Zoo Year Book Vol.IX of 2017.

## 8.0 Financial assistance to Zoos

The Central Zoo Authority received Rupees Ten Crore (Rs. 7.75 crores + Rs. 2.25 Crores for salary) during the financial year 2016-17 as Grants-in-Aid from Ministry of Environment, Forest & Climate Change, Government of India, which included fund for the development of zoos in North Eastern India. The entire grant was utilized to achieve its objectives and mandate, broadly under the head of Development of zoos, Conservation Breeding, Rescue & Rehabilitation, Research and Training and Operational cost. However, some savings was there under the Head "Salaries" due to non operation of Regional Offices of the CZA and non implementation of 7<sup>th</sup> CPC recommendations for the officers and employees of the CZA during the FY 2016-17, for which budgetary provisions were made.



## 8.1 Improvement of zoos

During the financial year 2016-17, the Central Zoo Authority has released Rs. 6,87,04,000/-for improvement of zoos including the maintenance of the rescue centre, conservation breeding, research & trainings etc. as per the details given below:

Sl. No.	State	Name and location of the Zoo / Organization	Purpose	Grant Released (in Rs.)
1	Andhra Pradesh	Indira Gandhi Zoological Park, Visakhapatnam	Rescue & Rehabilitation	6,13,000
2	Arunachal Pradesh	Itanagar Biological Park, Itanagar	Conservation Breeding	23,75,000
3	Bihar	Sanjay Gandhi Biological Park, Patna	Improvement of zoos	48,69,000
		Sanjay Gandhi Biological Park, Patna	Improvement of zoos	6,41,000
		Sanjay Gandhi Biological Park, Patna	Conservation breeding	232,67,000
		Sanjay Gandhi Biological Park, Patna	Improvement of Zoos	6,30,000
		Sanjay Gandhi Biological Park, Patna	Training & Workshop	17,30,000
4	Gujarat	Kamla Nehru Zoological Park, Kankaria Ahmedabad	Training & Workshop	3,20,000
5	Haryana	Vulture Conservation Breeding Centre, Pinjore	Conservation Breeding Centre	9,50,000
6	Karnataka	Bannerghatta Biological Park Bengaluru	Improvement of Zoos	20,00,000
7	Kerala	State Museum & Zoo, Thirissur	Improvement of zoos	3,00,000
		Thiruvananthapuram Zoo	Training & Workshop	4,48,000
8	Madhya Pradesh	Kamla Nehru Prani Sangrahalaya, Indore	Improvement of zoos	2,00,000
9	Mizoram	Aizawl Zoological Park, Aizawl	Improvement of zoos	25,57,000

Sl. No.	State	Name and location of the Zoo / Organization	Purpose	Grant Released (in Rs.)
		Aizawl Zoological Park, Aizawl	Improvement of zoos	29,33,000
10	Nagaland	Nagaland Zoological Park, Rangapahar	Improvement of zoos	48,00,000
		Nagaland Zoological Park, Rangapahar	Improvement of zoos	51,00,000
		Nagaland Zoological Park, Rangapahar	Conservation Breeding	10,72,000
		Nagaland Zoological Park, Rangapahar	Conservation Breeding	5,50,000
11	Odisha	Nandankanan Zoological Park, Bhubaneswar	Research	2,00,000
12	Rajasthan	Nahargarh Biological Park, Jaipur	Improvement of Zoos	21,29,000
		Nahargarh Biological Park, Jaipur	Rescue & Rehabilitation	4,61,000
		Nahargarh Biological Park, Jaipur	Rescue & Rehabilitation	5,68,000
13	Telangana	Nehru Zoological Park, Hyderabad	Conservation Breeding	13,90,000
		Nehru Zoological Park, Hyderabad	Conservation Breeding	13,92,000
		LaCONES, CCMB, Hyderabad	Research	18,00,000
14	Tamil Nadu	Arignar Anna Zoological Park, Vandalur	Rescue & Rehabilitation	12,41,000
15	Uttar Pradesh	Indian Veterinary Research Institute, Izatnagar, Bareilly	Training & Workshop	5,00,000
		Kanpur Zoological Park	Training & Workshop	3,20,000
16	Uttarakhand	Wildlife Institute of India, Dehradun	Research	10,63,000
		Malsi Deer Park, Dehradun	Training &	24,85,000

Sl. No.	State	Name and location of the Zoo / Organization	Purpose	Grant Released (in Rs.)
			Workshop	
<b>TOTAL</b>				<b>6,87,04,000</b>

## 8.2 Grants released to Rescue Centers

The Government of India banned the display of lions, tigers, leopards, bears and monkeys in the circus in India through a notification issued on 14<sup>th</sup> October, 1998. The basic objective of imposing the ban was to provide congenial upkeep, housing and healthcare facilities to these animals keeping with the spirit of National Zoo Policy. The Central Zoo Authority had to assume the responsibility to rescue and rehabilitate these animals. The number of lions, tigers, leopards, bears and monkeys rescued from the circuses at that point of time was 375, 96, 21, 37 and 20 respectively. Keeping in view, the housing and upkeep requirements of these rescued animals and the non availability of such facility in the existing zoos of the country, it was felt to set up separate facility for these animals across the country. Accordingly, the Government of India agreed to create designated rescue facilities for these animals. The CZA was assigned the responsibility and requisite budgetary allocations were made in the budget of the Central Zoo Authority in the year 1999-2000. After finalizing the designs and enclosures of these facilities, seven rescue centres were created for these animals at Bangalore, Chennai, Tirupati, Vishakhapatnam, Bhopal, South Khairbari and Jaipur. The day to day operation and maintenance of these rescue centres has been assigned to the nearby zoo concerned in whose campus such facility has been set up. It is a life time care facility for these animals. Accordingly, the Central Zoo Authority is continuously providing financial grant to the concerned zoos for operation and maintenance of these seven rescue centres. The grants are being given for feed, upkeep and health care of these animals. The laid down standard and norms in this regard are being strictly followed.

Over the years, since setting up of these rescue centres, the animals has died due to natural process and at present the number of rescued lions and tigers from the circuses has come down to 59 and 8 respectively. During the financial year 2016-17, the Central Zoo Authority has provided an amount of Rs. 28.83 lakhs for upkeep, feed and medicine etc. to three (out of total six) Rescue Centres as per the following detail:

Sl. No.	Name and location of Rescue Centre	Amount in Rs.
1	Indira Gandhi Zoological Park, Vishakhapatnam	6,13,000

2	Nahargarh Biological Park, Jaipur	10,29,000
3	Arignar Anna Zoological Park, Vandalur, Chennai	12,41,000
<b>Total</b>		<b>28,83,000</b>

The other zoos, mandated with the responsibility of the operation and maintenance of the remaining rescue centres for circus animals, were not provided fund since they were having savings from the previous year grants released by the CZA for the same purpose.

#### **9.0 Annual Audited Accounts and Audit Report:**

The final audit of the accounts of the Central Zoo Authority for the financial year 2016 – 17 has been conducted by the Principal Director of Audit, Scientific Department of CAG, Government of India. Balance Sheet, Income & Expenditure Accounts, Receipt and Payment as on 31<sup>st</sup> March, 2017 with schedules are placed at Annexure I & II.

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

**Name of Entity CENTRAL ZOO AUTHORITY  
BALANCE SHEET AS ON 31.03.2017**

(Amount in ₹)

<b>CORPUS/CAPITAL FUND AND LIABILITIES</b>	<b>Schedule</b>	<b>Current Year</b>	<b>Previous Year</b>
Corpus/Capital Fund	1	2,11,50,235	55,65,576
Reserves and Surplus	2	-	-
Earmarked/Endowment Funds	3	-	-
Secured Loans and Borrowings	4	-	-
Unsecured Loans and Borrowings	5	-	-
Deferred Credit Liabilities	6	-	-
Current Liabilities and Provisions	7	6,10,265	7,19,816
<b>TOTAL</b>		<b>2,17,60,500</b>	<b>62,85,392</b>
<b>ASSETS</b>			
Fixed Assets	8	32,95,625	38,91,620
Investments- From Earmarked/Endowment Funds	9	-	-
Investments-Others	10	-	-
Current Assets, Loans, advances Etc.	11	1,84,64,875	23,93,772
Miscellaneous Expenditure(to the extent not written off or adjusted)			
<b>TOTAL</b>		<b>2,17,60,500</b>	<b>62,85,392</b>
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		

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

**Name of Entity CENTRAL ZOO AUTHORITY  
INCOME & EXPENDITURE ACCOUNT  
FOR THE YEAR ENDED ON 31.03.2017**

(Amount in ₹)

<b>INCOME</b>	<i>Schedule</i>	<i>Current Year</i>	<i>Previous Year</i>
Income from Sales/Services	12		
Grants/Subsidies	13	10,93,30,445	10,01,53,757
Fees/Subscriptions	14	6,07,475	4,95,000
Income from Investments (Income on Investment From Earmarked/Endow.) Funds transferred to Funds	15	-	-
Income from Royalty, publication etc.	16	-	-
Interest Earned	17	2,89,544	7,124
Other Income	18	5,776	7,450
<b>TOTAL (A)</b>		<b>11,02,33,240</b>	<b>10,06,63,331</b>
<b>EXPENDITURE</b>			
Increase/Decrease in stock of finished goods & Work-in-progress	19	-	-
Establishment Expenses	20	1,29,66,760	1,09,01,821
Other Administrative Expenses etc.	21	1,61,96,732	2,19,88,161
Expenditure on Grants, Subsidies etc.	22	6,46,84,370	7,37,30,395
Interest	23	-	-
<b>Depreciation (Net Total at the year-end - Schedule 8)</b>	<b>8</b>	<b>8,00,719</b>	<b>10,43,226</b>
<b>TOTAL (B)</b>		<b>9,46,48,581</b>	<b>10,76,63,603</b>
Excess of Income over Expenditure (A-B)		1,55,84,659	(70,00,272)
Transfer to Special Reserve (Specify each)		-	-
Transfer to/from General Reserve		-	-
Balance Being Surplus Carried to Corpus/Capital Fund		1,55,84,659	(70,00,272)
Balance Being Deficit Carried to Corpus/Capital Fund		-	-
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 31.03.2017**

(Amount in ₹)

Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
<b>I. Opening Balances</b>			<b>1. Expenses</b>		
(a) Cash in Hand	-	-	(a) Establishment Expenses (corresponding to Schedule 20)	1,34,17,398	1,04,09,380
(i) Imprest	15,000	15,000			
(b) Bank Balances	-	-	(b) Administrative Expenses (corresponding to Schedule 21)	28,60,050	1,41,08,276
(i) In current accounts	11,74,568	34,29,511			
(ii) In deposit accounts	-	-			
(iii) Savings accounts	-	-			
<b>II. Grants Received</b>			<b>II. Payments made against funds for various projects</b>		
(a) From Government of India	10,00,00,000	9,88,00,000	(Name of the fund or project should be shown along with the particulars of payments made for each project)		

Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
(b) From State Government	-	-			
(c) From other sources (details) - Countries For SAAR	-	-	(a) Grants-in-aid to Zoos	6,48,04,370	7,37,30,395
(Grants for capital & revenue exp. To be shown separately)	-	-	(b) Monitoring & Evaluation of Zoos	7,66,766	7,20,693
			(c) Research Projects	35,63,000	34,10,000
			(d) Training, Workshop Conference	90,29,552	37,53,714
			(e) Expenses on WAZA Conferences		-
			(f) Education & Awareness		-
			(g) Exgratia payment to closed mobile zoos		-
			(h) Transportation of Animals		-
<b>III. Income on investements from</b>			<b>III. Investments &amp; Deposits made</b>		
(a) Earmarked/ Endowment Funds	-	-	(a) Out of Earmarked/ Endowment funds		-
(b) Own Funds (Oth.	-	-	(b) Out of own funds		-



Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
Investment)			(Investments- Others)		
<b>IV. Interest Received</b>			<b>IV. Expenditure on fixed Assets &amp; capital work-in-progress</b>		
(a) On bank deposits	2,89,544	-	(a) Purchase of fixed assets	1,85,728	18,94,271
(b) Loans, Advances etc.	-	-	(b) Expenditure on capital work-in-progress - Advance to NICS!		-
<b>V. Other Income (Specify)</b>			<b>V. Refund of surplus money/loans</b>		-
Fees received from Zoos with Application of Recognition	6,07,475	5,10,000	(a) to the Government of India		-
Fees received from Application under RTI	5,776	2,976	(b) to the State Government		-
Seminar/Program fees (WAZA Registration Fees)	-	-	(c) to other providers of funds		-
<b>VI. Amount Borrowed</b>			<b>VI. Finance Charges (Interest)</b>		-
<b>VII. Any other receipts (give details)</b>			<b>VII Other Payments (Specify)</b>		
(a) Misc. Receipts	1,76,687	2,677	(a) Payment of TDS	9,04,652	11,56,334
(b) Unspent balance of Gr.	93,30,445	13,53,757	(b) Security Deposit	20,000	10,000

Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
In Aid refunded by Zoos/CPWD			(Released)		
(c) Interest on Car/Scooter Adv.		7,124	(c) Amount adjustable (By other deptt.) - NBWL Meeting Exp.		-
(d) Security deposit	1,10,000	15,000	(d) Staff advances	-	22,500
(e) Recovery of Advances	13,264	60,86,723	(e) Payment to other Depatt, (Recoveries from pay bills)	14,83,650	18,69,859
(f) Recovery of TDS	9,04,652	11,56,334	(f) Advance Payment for Purchases	-	26,436
(g) Staff Advance recovery	96,416	1,10,556	(g) Payment for Wild Life Week Celebration	-	6,42,091
(h) License fee	-	-	(h) Payment to CPWD for Renovation	-	10,53,750
(i) Recovery from pay bills, adjustable by other Departments	14,83,650	18,69,859	(i) Payment to Prepaid Expenses	15,000	-
(j) Sale proceed of assets	-	5,600	(j) Refund of Fees received from Zoos with Application of Recognition	-	15,000
(k) Unspent GIA	-	-	(k) Refund of Fees received from Application under RTI	-	500
(l) Remittance					

Receipts	Current Year	Previous Year	Payments	Current Year	Previous Year
of Leave salary and pension contribution	1,50,176	-			
(m) Receipt for Expenses on behalf of other Organizations	-	-			
- Wild Life Week Celeb.		6,47,650			
- Reg. fee for Waza	-	-			
(n) Expenses Reimbursable by MOEF	-	-			
(o) Remittance of Supperannuation and PPF Contribution of Deputationist	1,00,911	-	<b>VIII. Closing Balances</b>		
(p) Refund of Telephone Security	-	-	(a) Cash in Hand		
			Imprest	15,000	15,000
			(b) Bank Balances	-	-
			(i) In current accounts	1,73,93,398	11,74,568
			(ii) In deposit accounts	-	-
			(iii) Savings accounts	-	-
<b>TOTAL</b>	<b>11,44,58,564</b>	<b>11,40,12,767</b>	<b>TOTAL</b>	<b>11,44,58,564</b>	<b>11,40,12,767</b>

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017**

**SCHEDULE 1 - CORPUS/CAPITAL FUND**

(Amount in ₹)

<b>SCHEDULE 1 - CORPUS/CAPITAL FUND</b>	<b>Current Year</b>	<b>Previous Year</b>
Balance as at the beginning of the year	55,65,576	1,25,54,451
Add: Contributions towards Corpus/CZA Fund	-	-
Add: Balance of net income- Transferred from the Income and Expenditure Account	1,55,84,659	(70,00,272)
Deduct: Balance of net income- Transferred from the Income and Expenditure Account	-	-
Add: Short/Excess Provisions / Prior Period Items	-	11,397
<b>TOTAL</b>	<b>2,11,50,235</b>	<b>55,65,576</b>

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 2 -RESERVES AND SURPLUS**

(Amount in ₹)

	Current Year		Previous Year	
<b>SCHEDULE 2 -RESERVES AND SURPLUS:</b>				
1. Capital Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
2. Revaluation Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
3. Special Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
4. General Reserve:				
As per last Account	-		-	
Addition during the year	-		-	
Less: Deductions during the year	-	-	-	-
<b>TOTAL</b>		-		-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 3 - EARMARKED/ ENDOWMENT FUNDS**

(Amount in ₹)

SCHEDULE 3 - EARMARKED/ ENDOWMENT FUNDS	FUND-WISE BREAK UP			TOTALS		
	Fund ww	Fund xx	Fund yy	Fund zz	Current Year	Previous year
a) Opening balance of the funds	-	-	-	-	-	-
b) Additions to the Funds:	-	-	-	-	-	-
i) Donations	-	-	-	-	-	-
ii) Income from investments made on account of funds	-	-	-	-	-	-
iii) Other Additions (specify nature)	-	-	-	-	-	-
<b>TOTAL (a+b)</b>	-	-	-	-	-	-
c) Utilization/Expenditure towards objectives of funds						
i) Capital Expenditure						
- Fixed Assets	-	-	-	-	-	-
- Others	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-
ii) Revenue Expenditure						
-Salaries Wages & Allowances	-	-	-	-	-	-
-Rent	-	-	-	-	-	-
-Others Administrative Expenses	-	-	-	-	-	-
<b>TOTAL (c)</b>	-	-	-	-	-	-
<b>NET BALANCE AS AT THE YEAR END (A+B-C)</b>	-	-	-	-	-	-

Notes:

1. Disclosures shall be made under relevant heads based on conditions attaching to the grants.
2. Plan Funds received from the Central/state Governments are to be shown as separate Funds and not to be mixed up with any other Funds.

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 4 - SECURED LOANS AND BORROWINGS**

(Amount in ₹)

	Current Year		Previous Year	
<b>SCHEDULE 4 - SECURED LOANS AND BORROWINGS:</b>				
1. Central Government		-		-
2. State Government		-		-
3. Financial Institution				
a) Term Loans	-		-	
- Interest accrued and due	-	-	-	-
4. Banks				
a) Term Loans	-		-	
- Interest accrued and due	-	-	-	-
b) Other Loans (specify)	-		-	
- Interest accrued and due	-	-	-	-
5. Other Institutions and Agencies		-		-
6. Debenture and Bonds		-		-
7. Other (specify)		-		-
<b>TOTAL</b>		-		-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 5 - UNSECURED LOANS AND BORROWINGS**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 5 -UNSECURED LOANS AND BORROWINGS:</b>		
1. Central Government	-	-
2. State Government	-	-
3. Financial Institution	-	-
4. Banks		
a) Term Loans	-	-
b) Other Loans	-	-
5. Other Institutions and Agencies	-	-
6. Debenture and Bonds	-	-
7. Fixed Deposits	-	-
8. Other (specify)	-	-
<b>TOTAL</b>	-	-



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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017**

**SCHEDULE 6 -DEFERRED CREDIT LIABILITIES**

(Amount in ₹)

	<b>Current Year</b>	<b>Previous Year</b>
<b>SCHEDULE 6 -DEFERRED CREDIT LIABILITIES:</b>		
a) Acceptances secured by hypothecation of Capital equipment and other assets	-	-
b) Others	-	-
<b>TOTAL</b>	-	-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS</b>		
<b>A.. CURRENT LIABILITIES</b>		
1. Acceptances	-	-
2. Sundry Creditors:	-	-
a) For Good	-	-
b) Others (For WAZA Expenses )	1,47,000	1,47,000
3. Interest accrued but not due on: (Over-recovered Interest on Scooter Adv.)	-	-
a) Secured Loans/borrowings	-	-
b) Unsecured Loans / Borrowings	-	-
4. Other current Liabilities	-	-
(i) Unspent Grants-in-Aid	-	-
(ii) Unspent amount of Wild Life Week Celebration	5,559	5,559
(iii) Security Refundable	1,60,000	70,000
<b>TOTAL (A)</b>	<b>3,12,559</b>	<b>2,22,559</b>
<b>B. PROVISIONS</b>		
1. For Taxation	-	-
2. Gratuity	-	-
3. Superannuation/Pension	-	-
(i) Contribution to superannuation scheme	-	-
4. Accumulated Leave Encashment	-	-
5. Trade Warranties/Claims	-	-
6. Others (Specify) - Salary Payable	-	1,99,551
7. Telephone Charges Payable	-	-
8. Leave salary & Pension Contribution	2,97,706	2,97,706
9. TA Operational Payable	-	-

	<b>Current Year</b>	<b>Previous Year</b>
10. Audit Fees Payable	-	-
11. Photocopy Expenses Payable	-	-
12. OTA Payable	-	-
<b>TOTAL (B)</b>	<b>2,97,706</b>	<b>4,97,257</b>
<b>TOTAL (A+B)</b>	<b>6,10,265</b>	<b>7,19,816</b>

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 8 – Fixed Assets**

(Amount in ₹)

DESCRIPTION	GROSS BLOCK				DEPRECIATION				NET BLOCK				
	Cost/ value at the beginning of the year (a)	Additions during the year (b)		Deductions during the year (c)	Cost/ value at the year end (d)	Depre- ciation 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
		04/16- 09/16	10/16- 03/17					04/16- 09/16	10/16- 03/17				
<b>Tangible Assets</b>													
Computer/ peripherals	2,46,326	1,27,896	58,250	4,32,472	60	1,47,796	76,738	17,475	-	-	2,42,009	1,90,463	2,46,326
Furniture, Fixtures	18,95,479	-	-	18,95,479	10	1,89,548	-	-	-	-	1,89,548	17,05,931	18,95,479
Office equipment	4,06,112	18,578	-	4,24,690	15	60,917	2,787	-	-	-	63,704	3,60,986	4,06,112
Vehicle	3,04,678	-	-	3,04,678	15	45,702	-	-	-	-	45,702	2,58,976	3,04,678
<b>Intangible</b>													

DESCRIPTION	GROSS BLOCK						DEPRECIATION						NET BLOCK	
	Cost/ value at the beginning of the year (a)	Additions during the year (b)		Deductions during the year (c)	Cost/ value at the year end (d)	Depre- ciation 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	
		04/16- 09/16	10/16- 03/17					04/16- 09/16	10/16- 03/17					
Assets														
Computer Software	10,39,025	-	-	-	10,39,025	25	2,59,756	-	-	-	2,59,756	7,79,269	10,39,025	
TOTAL FOR THE CURRENT YEAR	38,91,620	1,46,474	58,250	-	40,96,344		7,03,719	79,525	17,475	-	8,00,719	32,95,625	38,91,620	
PREVIOUS YEAR	30,41,201	18,69,634	24,637	375	49,34,846		6,86,155	3,53,396	4,050	150	10,43,226	38,91,620	30,41,201	

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017**

**SCHEDULE 9 - INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS**

(Amount in ₹)

	<b>Current Year</b>	<b>Previous Year</b>
<b>SCHEDULE 9 -INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS</b>		
1. In Government Securities	-	-
2. Other Approved Securities	-	-
3. Shares	-	-
4. Debenture and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Other (specify)	-	-
<b>TOTAL</b>	-	-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017**

**SCHEDULE 10 - INVESTMENTS OTHERS**

(Amount in ₹)

<b>SCHEDULE 10 - INVESTMENTS OTHERS:</b>	<b>Current Year</b>	<b>Previous Year</b>
1. In Government Securities	-	-
2. Other Approved Securities	-	-
3. Shares	-	-
4. Debenture and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Other(specify)	-	-
<b>TOTAL</b>	-	-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 11 –CURRENT ASSETS, LOANS, ADVANCES ETC.**

(Amount in ₹)

	Current Year	Previous Year
<b>A. CURRENT ASSETS:</b>		
1. Inventories:		
a) Stores and Spares	-	-
b) Loose Tools	-	-
c) Stock-in-trade		
Finished Goods	-	-
Work-in-progress	-	-
Raw Materials	-	-
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding 6 months	-	-
b) Others	-	-
3. Cash balances in hand (including cheques/drafts and imprest)	-	-
Cash- In - Hand	-	-
Imprest	15,000	15,000
4. Bank Balances:		
a) With Scheduled Banks:		
- On Current Accounts	1,73,93,398	11,74,568
- On Deposit Accounts (includes margin money)	-	-
- On Savings Accounts	-	-
b) With non-Schedules Banks:		
- On Current Accounts	-	-
- On Deposit Accounts	-	-
- On Savings Accounts	-	-
5. Post Office-Savings Accounts	-	-
<b>TOTAL (A)</b>	<b>1,74,08,398</b>	<b>11,89,568</b>



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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 11 –CURRENT ASSETS, LOANS, ADVANCES ETC.**

(Amount in ₹)

	Current Year	Previous Year
<b>B. LOANS, ADVANCES AND OTHER ASSETS:</b>		
1. Loans:		
a) Staff	4,87,895	5,84,311
b) Other Entities engaged in activities/ objectives similar to that of the Entity	-	-
c) Other (specify)	-	-
2. Advances and other amounts recoverable in cash or for value to be received	-	-
a) On Capital Account	-	-
b) Advance Payment for Purchases		26,436
Expenses Reimbursable by MOEF	-	-
Advance Payment to NISCI for Computer Software	-	-
Advance Payment to CPWD for Renovation	5,05,127	5,05,127
Petrol Account	15,000	5,000
Prepaid Expenses	7,450	15,570
3. Income Accrued:	-	-
a) On Investments from Earmarked/ Endowment funds	-	-
b) On Investments- Others	-	-
c) On Loans and Advances	-	-
d) Others (includes income due unrealized – Rs. ....)	-	-
4. Claims Receivable	-	-
5. Stock of Stationery	41,005	67,760
<b>TOTAL (B)</b>	<b>10,56,477</b>	<b>12,04,204</b>
<b>TOTAL (A + B)</b>	<b>1,84,64,875</b>	<b>23,93,772</b>

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017

**SCHEDULE 12 – INCOME FROM SALES/SERVICES**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 12 -INCOME FROM SALES/SERVICES</b>		
1. Income from Sales		
a) Sale of Finished Goods	-	-
b) Sale of Raw Material	-	-
c) Sale of Scraps	-	-
2. Income from Services		
a) Labour and Processing Charges	-	-
b) Professional/Consultancy Charges	-	-
c) Agency Commission and Brokerage	-	-
d) Maintenance Services (Equipment/Property)	-	-
e) Others (specify)	-	-
<b>TOTAL</b>	-	-

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT FOR THE  
PERIOD/YEAR ENDED 31.03.2017**

**SCHEDULE 13 - GRANTS/SUBSIDIES**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 13 - GRANTS/SUBSIDIES</b>		
<b>(Irrevocable Grants &amp; Subsidies Received)</b>		
1. Central Government	10,00,00,000	9,88,00,000
2. State Government(s)	-	-
3. Government Agencies	-	-
4. Institutions/Welfare Bodies	-	-
5. International Organisations	-	-
6. Others (Specify) - - Grant from SAARC	-	-
<b>Total</b>	<b>10,00,00,000</b>	<b>9,88,00,000</b>
<b>Unspent balance of last years</b>	-	-
<b>Unspent balance of Grant in Aid refunded by Zoos during the year 2016-17</b>	<b>93,30,445</b>	<b>13,53,757</b>
<b>GRAND TOTAL</b>	<b>10,93,30,445</b>	<b>10,01,53,757</b>

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT  
FOR THE PERIOD/YEAR ENDED 31.03.2017**

**SCHEDULE 14 - FEES/SUBSCRIPTIONS**

(Amount in ₹)

	<b>Current Year</b>	<b>Previous Year</b>
<b>SCHEDULE 14 - FEES/SUBSCRIPTIONS</b>		
1. Entrance Fees	-	-
2. Annual Fees/Subscriptions	-	-
3. Seminar/Program fees (WAZA Registration Fees)	-	-
4. Consultancy Fees	-	-
5. Others (Specify)	-	-
(i) Received from Zoos with application for Recognition/ Renewal	6,07,475	4,95,000
<b>TOTAL</b>	<b>6,07,475</b>	<b>4,95,000</b>

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT  
FOR THE PERIOD/YEAR ENDED 31.03.2017**

**SCHEDULE 15 - INCOME FROM INVESTMENTS**

(Amount in ₹)

<b>SCHEDULE 15 - INCOME FROM INVESTMENTS:</b>	<b>Investment from Earmarked Fund</b>		<b>Investment - Others</b>	
	<b>Current Year</b>	<b>Previous Year</b>	<b>Current Year</b>	<b>Previous Year</b>
(Income on Invest. From Earmarked/ Endowment Funds transferred to Funds)				
1. Interest				
a) On Govt. Securities	-	-	-	-
b) Other Bonds/Debentures	-	-	-	-
2. Dividend				
a) On Shares	-	-	-	-
b) On Mutual Fund Securities	-	-	-	-
3. Rent	-	-	-	-
4. Other(specify)	-	-	-	-
<b>TOTAL</b>	-	-	-	-
<b>TRANSFERRED TO EARMARKED/ ENDOWMENT FUNDS</b>	-	-	-	-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT**  
**FOR THE PERIOD/YEAR ENDED 31.03.2017**

**SCHEDULE 16 - INCOME FROM ROYALTY, PUBLICATION ETC.**

(Amount in ₹)

	<b>Current Year</b>	<b>Previous Year</b>
<b>SCHEDULE 16 -INCOME FROM ROYALTY, PUBLICATION ETC.</b>		
1. Income from Royalty	-	-
2. Income from Publication	-	-
3. Others (specify)	-	-
<b>TOTAL</b>	-	-

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT  
FOR THE PERIOD/YEAR ENDED 31.03.2017**

**SCHEDULE 17 - INTEREST EARNED ON TERM DEPOSITS/SAVING ACCOUNTS/LOAN**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 17 - INTEREST EARNED ON TERM DEPOSITS/SAVING ACCOUNTS/LOAN</b>		
1. On Term Deposits:		
a) With Scheduled Bank	-	-
b) With Non-Scheduled Bank	-	-
c) With Institutions	-	-
d) Others	-	-
2. On Saving Accounts:		
a) With Scheduled Bank	2,89,544	-
b) With Non-Scheduled Bank	-	-
c) Post Office Saving Account	-	-
d) Others	-	-
3. On Loans:		
a) Employees/Staff	-	7,124
b) Others	-	-
4. Interest on Debtors and Other Receivables	-	-
<b>TOTAL</b>	<b>2,89,544</b>	<b>7,124</b>

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT**  
**FOR THE PERIOD/YEAR ENDED 31.03.2017**

**SCHEDULE 18 - OTHER INCOME**

(Amount in ₹)

	<b>Current Year</b>	<b>Previous Year</b>
<b>SCHEDULE 18 - OTHER INCOME</b>		
1. Profit on Sale/disposal of Assets :	-	4,974
a) Owned Assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-
2. Export Incentives realized	-	-
3. Fees for Miscellaneous Services (RTI)	5,776	2,476
4. Miscellaneous Income	-	-
<b>Total</b>	<b>5,776</b>	<b>7,450</b>



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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES 20 FORMING PART OF INCOME & EXPENDITURE  
FOR THE PERIOD/YEAR ENDED 31.3.2017**

**SCHEDULE 19 - INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS & WORK IN  
PROGRESS**

(Amount in ₹)

<b>SCHEDULE 19 - INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS &amp; WORK IN PROGRESS</b>		
a) Closing Stock		
- Finished Goods	-	-
- Work-in-progress	-	-
b) Opening Stock		
- Finished Goods	-	-
- Work-in-progress	-	-
<b>NET INCREASE/(DECREASE) [a-b]</b>	<b>-</b>	<b>-</b>

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES 20 FORMING PART OF INCOME & EXPENDITURE  
FOR THE PERIOD/YEAR ENDED 31.3.2017**

**SCHEDULE 20 - ESTABLISHMENT EXPENSES**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 20 - ESTABLISHMENT EXPENSES</b>		
a) Salaries and Wages	1,15,96,847	1,00,17,915
b) Allowances and Bonus	82,896	27,632
c) Contribution to Provident Fund	-	-
d) Contribution to Other Fund (specify)		
Superannuation Scheme	6,54,683	3,66,029
e) Staff Welfare Expenses	2,93,957	2,19,404
f) Expenses on Employees' Retirement & Terminal Benefits	-	-
g) Others (specify)		
Leave Salary & Pension Contributions	3,38,377	2,70,841
<b>TOTAL</b>	<b>1,29,66,760</b>	<b>1,09,01,821</b>

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES FORMING PART OF INCOME & EXPENDITURE  
FOR THE PERIOD/YEAR ENDED 31.3.2017**

**SCHEDULE 21- OTHER ADMINISTRATIVE EXPENSES ETC.**

(Amount in ₹)

	Current Year	Previous Year
a. Purchases (Stationary)	2,28,064	1,79,588
b. Conveyance and Cartage	22,866	37,897
c. Repairs and maintenance (General + Computer)	36,310	63,667
d. Vehicles Running Expenses	1,54,384	1,40,709
e. Vehicals Maintenance	1,56,759	58,118
f. Postage, Telephone and Communication Charges	1,66,904	2,08,114
g. Printing, Publication and Periodicals	1,11,002	6,56,901
h. Travelling Expenses	13,89,790	17,01,394
i. Legal & Professional Expenses	20,114	39,885
j. Hospitality Expenses	97,141	51,505
k. Advertisement and Publicity	54,071	1,30,939
l. Audit Fees	-	-
m. Others (specify)	-	-
n. Bank Charges	1,082	-
o. Other Expenses#	44,057	4,71,551
p. Membership fees	3,68,664	2,78,931
q. Rent, Rates & Taxes	-	52,16,748
r. Dificit on sale of unusable assets/Disposal of Assets	-	-
s. Repairs and maintenance of Building	-	48,67,807
<b>Total (I)</b>	<b>28,51,208</b>	<b>1,41,03,754</b>
<b>II. Payments Against Various Projects</b>		
Expenses on Training, Workshop & Conferences	90,29,552	37,53,714
Expenses on WAZA Conferences	-	-
Expesnes on Research Projects	35,63,000	34,10,000
Monitoring & Evaluation Of Zoos	7,52,972	7,20,693
Ex-Gratia Payment to closed Mobile Zoos	-	-
Transportation Of Animals	-	-

	<b>Current Year</b>	<b>Previous Year</b>
<b>Total (II)</b>	<b>1,33,45,524</b>	<b>78,84,407</b>
<b>III. Unspent balance of GIA refundable to Ministry</b>	-	-
<b>TOTAL (I+II+III)</b>	<b>1,61,96,732</b>	<b>2,19,88,161</b>

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

**Name of Entity CENTRAL ZOO AUTHORITY  
SCHEDULES FORMING PART OF INCOME & EXPENDITURE  
FOR THE PERIOD/YEAR ENDED 31.3.2017**

**SCHEDULE 22- EXPENDITURE ON GRANTS, SUBSIDIES ETC.**

(Amount in ₹)

	Current Year	Previous Year
<b>SCHEDULE 22- EXPENDITURE ON GRANTS, SUBSIDIES ETC.</b>		
<b>a. Grant given to Institutions/ Organisations</b>		
Grant released to various zoos	6,46,84,370.00	7,37,30,395.00
Unspent grants-in-aid refundable to ministry	-	-
<b>b. Subsidies given to Institutions/ Organisations</b>	-	-
<b>TOTAL</b>	<b>6,46,84,370.00</b>	<b>7,37,30,395.00</b>

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT**  
**FOR THE PEIROD/YEAR ENDED 31.03.2017**

**SCHEDULE 23 - INTEREST ON LOANS/FIXED LOAN**

(Amount in ₹)

<b>SCHEDULE 23 - INTEREST ON LOANS/FIXED LOAN</b>	<b>Current Year</b>	<b>Previous Year</b>
a) On Fixed Loan		
b) On Other Loans (including Bank Charges)	-	-
c) Other (specify)	-	-
<b>TOTAL</b>	-	-

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

Name of Entity **CENTRAL ZOO AUTHORITY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31.03.2017**

**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 AT 31.03.2017**

**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 31<sup>st</sup> March, 2017 and the Income and expenditure 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.

7. During the financial year 2015-16, a payment of Rs. 26,436/- was made to M/s Amazon.com for purchase of 4 nos. Hard Disk Dirve and 4 nos. of Lenova Power Bank for official uses which were received in April, 2016 (2016-17) and hence the



accounting adjustments were made in this financial year. "Advance for Expenses" and excess amount of Rs. 144/- was deposited with the bank.

8. During the financial year 2012-13, an amount of Rs. 1,20,000/- only released to Thirssur Zoo, Thiruvananthapuram (Kerala) for preparation of the Master Plan of the Zoo. The financial assistance was released by Demand Draft which was returned by the zoo for correction/revalidation but got misplaced in transiction and fresh D.D of Rs. 3.00 lakhs was released by adjusting the same from the Grant to Zoo as "Development Work".
9. During the financial year a securituy deposit of Rs. 1,00,000/- was received from M/s Alankit Ltd for hiring man power on outsources basis for a period from 8/2/2017 to 31/1/2018. Due to change of service provider for supply for supply of POL, security deposit of Rs. 5000/- with Gymkhana Services Station, New Delhi has been adjusted from the final payment and Rs. 15,000/- paid to M/s Automotives, New Delhi availing services on credit basis by adjusting the same from Current Assests as "Advance for Expenses".
10. Budget allocation for 2016-17 of CZA for "Salaries"was Rs. 225.00 Lakhs. However, due to non operational of the 5 Regional Offices and non implementation of 7<sup>th</sup> CPC reccommedations, Rs. 134.17 lakhs could be utilized from the said grant-in -aid during the year.

कार्यालय प्रधान निदेशक लेखापरीक्षा  
वैज्ञानिक विभाग, नई दिल्ली

सं.प्र.नि.वै.वि./प.ले./एस.ए.आर./CZA, New Delhi/2017-18/639-641

दिनांक: 20.09.2017

सेवा में,

**Dr. D.N.Singh,**  
Member Secretary,  
Central Zoo Authority (MoEF&CC),  
B-1 Wing, 6<sup>th</sup> Floor,  
Deendayal Antyodaya Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi-110003.

File No. 192/2017 (द्वि.)  
Date 25/9/17

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**विषय: वर्ष 2016-17 के लिए Central Zoo Authority, New Delhi का पृथक लेखापरीक्षा प्रतिवेदन।**

महोदय,

मुझे वर्ष 2016-17 के लिए Central Zoo Authority, New Delhi का पृथक लेखापरीक्षा प्रतिवेदन अग्रेषित करने का निर्देश हुआ है।

संसद के दोनों सदनों में प्रस्तुत करने से पहले वर्ष 2016-17 के वार्षिक लेखों को संस्थान के शासी निकाय द्वारा अनुमोदित किया/अपनाया जाए तथा इस संबंध में शासी निकाय द्वारा जारी किया गया रेज़ोल्यूशन ऑडिट को भेजा जाए। प्रत्येक दस्तावेज जो संसद में प्रस्तुत किया जाए उसकी तीन प्रतियाँ इस कार्यालय तथा दो प्रतियाँ भारत के नियंत्रक महालेखापरीक्षक को अग्रेषित की जाए। संसद के दोनों सदनों में प्रस्तुत करने की तिथियाँ भी इस कार्यालय को सूचित की जाए।

संलग्नक:- पृथक लेखापरीक्षा प्रतिवेदन व मैनेजमेंट लेटर

भवदीय,  
निदेशक (पया.ले.)  
25/09/17

Separate Audit Report on the Accounts of Central Zoo Authority, for the year ended 31 March, 2017

1. We have audited the attached Balance Sheet of the Central Zoo Authority (CZA), as at 31st March 2017, the Income & Expenditure Account and the Receipts & Payments Account for the year ended 31.03.2017 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 draft Separate Audit Report contains the comments of the Comptroller and Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.
3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, we report that:
  - (i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit.
  - (ii) The Balance Sheet, Income & Expenditure Account and Receipts & Payments 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) Balance Sheet

### Fixed Assets

(i) CZA charged depreciation on Computer Software of the value of ₹ 10,39,025 at the rate of 25 per cent instead of 60 per cent as per the Income Tax Act. Thus, due to charging less depreciation on computer software, value of fixed assets of CZA as on 31.03.2017 remained overstated to the extent of ₹3.64 lakh (₹623415<sup>1</sup> – ₹259756).

(ii) The fixed assets of CZA includes 3 items of office equipment and 4 items of furniture & fixture which depreciated value was Rs.0.36 lakh as on 31.03.2017, these assets were transferred to Delhi Zoo from CZA. Thus, due to inclusion of these assets in CZA accounts, the fixed assets was overstated by these amounts.

### Current Liabilities and Provisions

(iii) The CZA could not utilized grant of ₹ 94.84 lakh, out of grant of ₹ 225 lakh under the head Salaries. No refund of unutilized grant was made by CZA to the ministry. No provision for liability for unutilized grant was made in the accounts.

(vi) CZA did not make provision for 'Salary' for the month of March 2017 as well as for 'Audit fees' in the Schedule-7 Current Liabilities and Provisions.

## B) Income & Expenditure Account

(i) As per Schedule 13- Grants/Subsidies an amount of ₹1093.30 lakh was shown as received and taken into "Income and Expenditure Account" as income during the year. However, this amount includes ₹93.30 lakh which was unspent balances of Grant-in-aid refunded by zoos during 2016-17 which was not revalidated by the Ministry. Hence, the above discrepancy in the Income and Expenditure Account resulted in overstatement of Income by ₹93.30 lakh.

(ii) Accrued interest amounting to ₹15152.00 for the period from 26.03.2017 to 31.03.2017 was not taken as income in the Income and Expenditure Account for the year ended 31.03.2017 which resulted in understatement of income to the same extent.

## C) General:

(i) 12 cheque amounting to ₹ 80651 were issued by CZA till 31.03.2017 were became time barred as they were not presented for payment till 31.06.2017. Further, Demand Draft amounting to ₹ 678 were received by CZA were not credited by bank in their accounts. These cheque should be revert back and demand draft should be reconciled with bank promptly.

(ii) No provision for retirement benefit was made in accounts as required as per AS-15.

<sup>1</sup> 60% of ₹1039025.00

**D) Grants-in-Aid:**

CZA received ₹1000.00 lakh as Grants-in-aid, ₹6.13 lakh as fees/subscriptions/other income, ₹2.90 lakh as bank interest and ₹93.30 lakh as unspent balance of previous years. Out of the total income of ₹1102.33 lakh, CZA expended ₹946.49 lakh resulting unspent balance of ₹155.84 lakh. Further ₹ 94.84 lakh to be refunded to the ministry on account of head "Salaries".

**E) Management letter**

Deficiencies which have not been included in the Audit Report have been brought to the notice of the Member Secretary, CZA 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 Accounts and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.
- (vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India.
- a. In so far as it relates to the Balance Sheet, of the state of affairs of the CZA, as at 31<sup>st</sup> March 2017 and
- b. In as far as it relates to Income & Expenditure Accounts, of the surplus for the year ended on that date.

**Place: New Delhi**

**For and on behalf of the C&AG of India**

**Date: 20.09.2017**

  
**Principal Director of Audit (SD)**

Annexure-I

1. **Adequacy of Internal Audit System:**

- (i) There is no internal audit wing in Central Zoo Authority.
- (ii) Internal audit of the CZA has been conducted up to 2010-12 by the PAO, MOEF&CC and 24 Paras were outstanding as on 31.03.2017.

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) Surprise check of cash was not carried out.
- (ii) No meeting of Governing Body was held during 2016-17.
- (iii) The Ledger and Broad Sheets to monitor the recovery of long term advances was not maintained.
- (iv) Utilization Certificates for ₹4.22 crore was still awaited as on July 2017 from 17 zoos in respect of grants released from 2006-07 to 2014-15.
- (v) Imprest register was not maintained.
- (vi) Valuable register was not maintained properly
- (vii) CZA released grants to 37 zoos and none of the zoos furnished the statement of assets.

3. **System of Physical Verification of Inventory**

Physical verification of stationery and consumable items has been conducted upto 31.03.2017.

4. **System of Physical Verification of assets.**

Physical verification of Assets has been conducted.

5. **Regularity in payment of statutory dues:**

The Central Zoo Authority was regular in depositing statutory dues.

Director (EA)

Faint, illegible text covering the majority of the page, likely bleed-through from the reverse side.

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**Central Zoo Authority**  
B-1 Wing, 6<sup>th</sup> Floor,  
Pt. Deendayal Antyodaya Bhawan,  
CGO Complex, New Delhi – 110 003  
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Website: [cza.nic.in](http://cza.nic.in); E-mail: [cza@nic.in](mailto:cza@nic.in)