



Central Zoo Authority
केन्द्रीय चिड़ियाघर प्राधिकरण



ANNUAL REPORT 2020 - 2021



Central Zoo Authority

New Delhi

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From the desk of Member Secretary

The Central Zoo Authority (CZA), a statutory body under the Ministry of Environment, Forest and Climate Change, Government of India, was constituted in February 1992 under the provisions of Wildlife (Protection) Act, 1972. The Act was amended through an amendment Act in the year 1991 and a separate chapter, Chapter IVA contains Section 38A to 38J was added to the Wildlife (Protection) Act, 1972 for establishment of Central Zoo Authority in India.

The prime objectives of the CZA have been to oversee the management of Zoos in the country and raise them to prescribed standards of animal housing, upkeep and health care and supplements the national efforts of *in-situ* conservation by *ex-situ* conservation.

Guided by the Act, the National Zoo Policy, 1998 and the Recognition of Zoo Rules, 2009 (amended in 2013), the CZA performs statutory functions like specifying standards and norms of animal housing, upkeep and health care, financial and technical assistance for developmental works and conservation breeding and animal exchange within Indian Zoos and between Indian Zoos and Foreign Zoos, capacity building of zoo personnel, research and monitoring, periodic evaluation and granting recognition to the Zoos.

The 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 (CEO).

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 financial year 2020-2021 was full of challenges caused by COVID-19 pandemic, the CZA used this unprecedented situation as opportunity to go digital. The CZA conducted series of virtual trainings, knowledge sharing webinars, awareness workshops and released several guidelines to help zoos in taking precautionary measures and help contain the spread of coronavirus in both the animals and their keepers. The CZA, as part of its efforts to achieve transparency, ease of operation, promote paperless functioning and enhanced utility of data, developed a web application titled "Zoo Management Information System (ZOO-MIS)", for the benefit of all stakeholders. Besides this, the CZA carried out technical evaluation (4); granted renewal of recognition (134); granted recognition to new zoos (4); granted approval for establishment of new zoos (4).

The Annual Report and the Annual Audited Account for the financial year 2020-21 has been prepared and approved by the CZA on the recommendations of the Administrative Committee and the Technical Committee.

I gratefully acknowledge the guidance of the governing body of the CZA and expert members of the various committees of the CZA. I also acknowledge the commitment and contribution and help from the each and every personnel working in the CZA in the preparation of the Annual Report.



Dr. S.P. Yadav
Member Secretary
Central Zoo Authority

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AUTHENTICATED


(ASHWINI KUMAR CHOUBEY)
MINISTER OF STATE FOR ENVIRONMENT,
FOREST AND CLIMATE CHANGE

1. Introduction

The Indian Board for Wild Life re-constituted its Zoo Wing as 'the Expert Group on Zoos' at its 3rd session held on 18th 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 the setting up of a central agency (Zoo Grants Commission), and to give effect to this recommendation, the Wild Life (Protection) Act, 1972 was amended through an amendment Act in the year 1991. A separate chapter, Chapter IVA contains Section 38 A to 38 J was added to the Wild Life (Protection) Act, 1972 for establishment of Central Zoo Authority in India. Accordingly, the Central Zoo Authority was established as a statutory body of the Ministry of Environment & Forests by the Government of India in the year 1992 to oversee the functioning of zoos in India and provide them technical assistance besides raising existing standards of animal upkeep and veterinary care in zoos.

1.1 Vision

The zoo will have healthy animals in an ecosystem-based naturalistic enclosure, be supportive to *in-situ* and *ex-situ* conservation with competent and content staff, good educational and interpretive 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 and to ensure their conservation through best practices of management, education & creating 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 Wild Life (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 with technical and other assistance for their improvement.

The Authority has been assigned following functions under Section 38 (C) of the Wild Life (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. Governance

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

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

Sl.	Name of the Post	Name of the incumbent	Pay-Band/Salary (Amount in Rs.)
1.	Member Secretary	Dr. S. P. Yadav	1,82,200-2,24,100 (Pay level - 16)
2.	Deputy Inspector General	Dr. Sonali Ghosh	1,44,200-2,18,800 (Pay level - 14)
3.	Finance Officer	Sh. R.S. Rawat	56,100-1,67,800 (Pay level - 10)
4.	Private Secretary	On deputation (from 03.03.2019)	47,600-1,51,100 (Pay level - 8)
5.	Data Processing Assistant	Sh. Vivek Goel	44,900-1,42,900 (Pay level - 8)
6.	Personnel Assistant	Smt. Neeti Gulati	44,900-1,42,900 (Pay level - 8)
7.	Accountant	Sh. Suresh Sharma	35,400 - 1,12,400 (Pay level - 6)
8.	Evaluation & Monitoring Assistant	Sh. T. Ajay Kumar	35,400 - 1,12,400 (Pay level - 6)
9.	Technical Assistant	Smt. Natasha S Vashisth	29,200 - 92,300 (Pay level - 5)
10.	Staff Car Driver	Sh. Hari Singh Bhandari	29,200 - 92,300 (Pay level - 5)

11.	Upper Division Clerk	Vacant	25,500-81,100 (Pay level – 4)
12.	Lower Division Clerk	Sh. Thakur Dass	21,700 - 69,100 (Pay level - 3)
13.	Multi Task Staff	Sh. P. K. Jha	21,700 - 69,100 (Pay level - 3)
14.	Multi Task Staff	Sh. Gopal Swami	19,900 - 63,200 (Pay level - 2)

The following posts have been filled up on outsourced basis:

Sl.	Name of the Post	Number of personnel
1.	Consultant Admin (upto 20.10.2020)	One
2.	Evaluation & Monitoring Officer	One
3.	Scientific Officer	One
4.	Law officer	One
5.	Veterinary Consultant	One
6.	Policy Assistant	One
7.	Office Assistant	One
8.	IT Assistant	One
9.	Senior Research Fellow	One
10.	Multi Task Staff	One
11.	Private Secretary to DIG	One
12.	Conservation Design Intern	One
13.	Sweeper	One

2.1 Governing Body

Under Section 38-A of the Wild Life (Protection) Act, 1972 the Central Zoo Authority shall consist of a chairperson, such number of members not exceeding ten and Member- Secretary to be appointed by the Central Government. As per the Section 38-B of the Wild Life (Protection) Act, 1972 the chairperson and every member [other than the member-secretary] shall hold office for such period, not exceeding three years, as may be specified by the Central Government on this behalf.

As per the provision of the Wild Life (Protection) Act, 1972 under Section 38-A, the Authority was reconstituted in June 2020 for a period of three years vide Gazette Notification No. 1906 dated 30th June, 2020 [notification S.O. 2152(E), dated the 30th June 2020]. The Governing Body of the Central Zoo Authority comprises the following twelve members with the Minister for Environment, Forest and Climate Change, Government of India as its *ex-officio* Chairperson:

1.	Minister Environment, Forest & Climate Change, Government of India, New Delhi	Chairperson
2.	Secretary to the Government of India, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi	Member

3.	Director General of Forests & Special Secretary, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi	Member
4.	Additional Director General of Forests (Wildlife) & Director, Wildlife Preservation, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi	Member
5.	Additional Secretary and Financial Advisor, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi	Member
6.	Director, Wildlife Institute of India, Dehradun, Uttarakhand	Member
7.	Director, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh	Member
8.	Director, School of Planning and Architecture, New Delhi	Member
9.	Karthikeyan Vasudevan, Senior Principal Scientist, Laboratory for the Conservation of Endangered Species, Centre for Cellular and Molecular Biology, Hyderabad, Telangana	Member
10.	Abhilash Khandekar, Senior Journalist, Bhopal, Madhya Pradesh	Member
11.	Rabindra Kumar Singh, Principal Chief Conservator of Forests & Head of Forest Force (Retired), Raipur, Chhattisgarh	Member
12.	Member Secretary Central Zoo Authority, New Delhi	Member Secretary

The Member Secretary, CZA is the Chief Executive Officer of the Authority.

During the reporting period, the 37th meeting of the Central Zoo Authority was held on 7th December 2020.

2.2 Administrative Committee

In exercise of the powers conferred by Section 38-D(2) of the Wild Life (Protection) Act, 1972 (53 of 1972), and in supersession of the Order F. No.7-4/2017-CZA/1190/2017 dated 30.06.2017, except in respects things done or committed to be done before such supersession, with the approval of the Chairperson, Central Zoo Authority and Minister for Environment, Forests and Climate Change, Government of India, a Sub-group, namely, Administrative Committee of the Central Zoo Authority was reconstituted vide order No. 7-2/2020-CZA(D)/2514/2020 dated 15.07.2020 to deal with the administrative and budgetary issues with the following composition:

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

The main functions of the Administrative Committee are:

- a. Annual Budget of the Central Zoo Authority
- b. Appropriation / re-appropriation of Funds.
- c. Proposals regarding creation of new posts & upgradation of existing posts
- d. Proposals for contract appoints on group A posts.
- e. Proposals for incurring expenditure on purchase of equipment etc. beyond the powers of Member Secretary, Central Zoo Authority.

The term of the office of the Chairperson and members of the Administrative Committee will be coterminous with the Central Zoo Authority constituted for a period of three years vide notification S.O. 2152(E), dated the 30th June 2020.

During the reporting period, the 24th Administrative Committee Meeting of the Central Zoo Authority was convened by online circulation of Agenda to the members of the Administrative Committee on July 15, 2020 and 25th Meeting of the Administrative Committee of the Central Zoo Authority was held on 26th August, 2020 under the chairmanship of Dr. Sanjay Kumar, Director General of Forests & Special Secretary, Ministry of Environment, Forest and Climate Change, Government of India, in the Krishna Hall, 4th Floor, Jal Wing, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi wherein various administrative issues were deliberated and finalized.

2.3 Technical Committee

In exercise of the powers conferred by Section 38-D(2) of the Wild Life (Protection) Act, 1972 (53 of 1972), and in supersession of the Order F. No.7-4/2017-CZA1191/2017 dated 30.06.2017, except in respects things done or committed to be done before such supersession, with the approval of the Chairperson, Central Zoo Authority and Minister for Environment, Forests and Climate Change, Government of India, the Technical Committee of the Central Zoo Authority was

reconstituted vide order No. 7-2/2020-CZA(D)/2516/2020 dated 15.07.2020 to deal with the technical matters with following composition:

1.	Additional Director General of Forests (Wildlife) & Director, Wildlife Preservation, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi	Chairperson (<i>ex-officio</i>)
2.	Additional Secretary and Financial Advisor, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi	Member (<i>ex-officio</i>)
3.	Director, Indian Veterinary Research Institute, Bareilly, Uttar Pradesh	Member (<i>ex-officio</i>)
4.	Director, Wildlife Institute of India, Dehradun, Uttarakhand	Member (<i>ex-officio</i>)
5.	Director, School of Planning & Architecture (SPA), New Delhi	Member
6.	R.K. Singh, PCCF & HoFF (Retd.), Raipur, Chhattisgarh	Member
7.	Abhilash Khandekar, Senior Journalist, Bhopal, Madhya Pradesh	Member
8.	Member Secretary, Central Zoo Authority, New Delhi	Member Convener

The main functions of the Technical Committee are:

- a. To make recommendation to the Authority on specification of the minimum standards for housing, upkeep and veterinary care of the animals kept in a Zoo;
- b. To make recommendation to the Authority on 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. To make recommendation to the Authority in identification of endangered species of wild animals for purpose of captive breeding and assigning responsibility in this regard to a Zoo;
- d. To make recommendation to the authority on exchange of animals with, accepting gift of animals from foreign Zoos and to gift animals to foreign Zoos;
- e. To make recommendation to the Authority on acquisition or transfer of wild animal specified in Schedule I and Schedule II of the Wild Life (protection) Act, 1972 and exchange of animals which are part of coordinated conservation breeding programme between Indian Zoos;
- f. To make recommendation to the Authority in identification of priorities, themes regarding display of captive animals in a zoo besides approval of the Master Plan and Master (Layout) Plan of the Zoo;
- g. To make recommendation to the Authority in coordination of training of zoo personnel in India and outside India besides recommendation to the Authority in deciding proposals for organizing training programmes, workshops and meeting in India on various aspects of Zoo management;
- h. To make recommendation to the Authority on approval of research projects on issues related with the Zoos for funding by the Authority;
- i. To make recommendation to the Authority to provide technical assistance to Zoos for their proper management and development on scientific lines;

- j. To make recommendation to the Authority 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 term of the office of the Chairperson and members of the Technical Committee will be coterminous with the Central Zoo Authority constituted for a period of three years vide notification S.O. 2152(E), dated the 30th June 2020.

During the financial year 2020-21, the 95th Technical Committee of the Central Zoo Authority was held online through circulation of agenda among the members on 21st April 2020, 96th meeting held on 30th July, 2020, 97th meeting held on 28th September, 2020, 98th meeting held on 19th November, 2020, 99th meeting held on 22nd January, 2021 and 100th meeting held on 23rd March, 2021 wherein 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 for Environment, Forest and Climate Change, Government of India and Chairperson, CZA vide office order File No.7-2/2020-CZA(D)/ 2515/2020 dated 15.07.2020 (and subsequently vide office order File No.7-2/2020-CZA(Part) dated 11.06.2021 to induct one of the members (at (2) in the table below) as replacement) with following composition and terms of reference:

1	Representative, Civil Construction Unit, Ministry of Environment, Forest and Climate Change, Room No. 728, 7 th Floor, Pandit Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi – 110003.	Member <i>Official</i> (Institutional member as expert on Civil construction)
2	Dr. Aarti Grover, Associate Professor, Department of Landscape Architecture, School of Planning and Architecture, New Delhi	Member (Institutional member as expert of Zoo Design and architecture)
3	Prof. Syed Mohammad Akhtar, Dean, Faculty of Architecture, Jamia Millia Islamia, New Delhi-110025	Member <i>Non-official</i> (Individual expert member and educator)
4	Ms. Moulshri Joshi, Architecture & Founding Partner Space Matters, Delhi	Member (Individual expert for interdisciplinary studies and environment friendly architecture)
5	Shri P.C. Tyagi, Former PCCF and CWLW (HoFF), Tamil Nadu	Member <i>Non-official</i> (Individual expert members as <i>ex-situ</i> conservation practitioner)

6	Evaluation and Monitoring Officer, Central Zoo Authority, New Delhi	Members <i>Officials</i> representing CZA Secretariat
7	Scientific Officer, Central Zoo Authority, New Delhi	
8	Member Secretary, Central Zoo Authority, New Delhi	Member convener <i>Official</i>

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

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

During the year 2020-21, the following meetings of the Expert Group on Zoo Designing were held to approve the drawings of the enclosures for endangered species to be constructed in Indian zoos and to recommend the approval of Master (Layout) Plan and Master Plan of the zoos.

1. 93rd meeting of the Expert Group on Zoo Designing – May 15, 2020
2. 94th meeting of the Expert Group on Zoo Designing – July 27, 2020
3. 95th meeting of the Expert Group on Zoo Designing – September 23, 2020
4. 96th meeting of the Expert Group on Zoo Designing – January 5-6, 2021
5. 97th meeting of the Expert Group on Zoo Designing – March 10-11, 2021

3. Restructuring of Central Zoo Authority (CZA)

In order to further strengthen the functioning of the Central Zoo Authority following appointments were made on outsource basis in the Secretariat of the Central Zoo Authority during the reporting period:

1. Consultant Admin
2. Veterinary Consultant
3. Policy Assistant

4. Functioning of the CZA

4.1 Technical evaluation and grant of recognition to zoos:

A. Technical evaluation of zoos during the year 2020-21:

The Central Zoo Authority evaluated 4 zoos during the financial year 2020-21. Following is the list of zoos of different categories evaluated during the financial year 2020-21:

Sl.	State / U.T.	Name and location of the zoo	Evaluating Officer/s	Date of evaluation
1	Bihar	Rajgir Zoo Safari, Nalanda	Dr. Devender Kumar, Evaluation and Monitoring Officer, CZA and Shri Lakshminarasimha R, Scientific Officer, CZA	17 th and 18 th September, 2020
2	Chhattisgarh	Elephant Rescue and Rehabilitation Centre, Pingla	Shri T. Ajay Kumar, Evaluation and Monitoring Assistant, CZA	28 th and 29 th January, 2021
3	Gujarat	Greens Zoological, Rescue and Rehabilitation Centre, Jamnagar	Dr. Devender Kumar, Evaluation and Monitoring Officer, CZA	8 th August, 2020
4	Uttar Pradesh	Shaheed Ashfaq Ullah Khan Prani Udyaan, Gorakhpur	Dr. Devender Kumar, Evaluation and Monitoring Officer, CZA and Shri Lakshminarasimha R, Scientific Officer, CZA	29 th and 30 th October, 2020

B. Zoos granted renewal of recognition during the year 2020-21:

The Central Zoo Authority granted renewal of recognition to 134 zoos during the year 2020-21 as per the details given below. Of these, Large, Medium, Small, Mini category zoos and Rescue Centres were 17, 20, 32, 53 and 12 respectively.

Large category zoos:

Sl.	State / U.T.	Name and location of the zoo	Recognition valid upto
1	Andhra Pradesh	Indira Gandhi Zoological Park, Visakhapatnam	19 th August, 2023
2	Andhra Pradesh	Sri Venkateshwara Zoological Park, Tirupati	19 th August, 2023
3	Assam	Assam State Zoo cum Botanical Garden, Guwahati	19 th August, 2023
4	Delhi	National Zoological Park, New Delhi	19 th August, 2023
5	Gujarat	Kamla Nehru Zoological Garden, Ahmedabad	19 th August, 2023
6	Gujarat	Sakkarbaug Zoological Park, Junagadh	19 th August, 2023
7	Karnataka	Bengaluru Bannerghatta Biological Park, Bengaluru	19 th August, 2023
8	Karnataka	Dr. K. Shivarama Karanth Pilikula Biological Park, Mangaluru	19 th August, 2021
9	Karnataka	Sri Chamarajendra Zoological Gardens, Mysuru	19 th August, 2021
10	Kerala	Zoological Garden, Thiruvananthapuram	19 th August, 2023
11	Odisha	Nandankanan Zoological Park, Bhubaneswar	19 th August, 2023

12	Punjab	M. C. Zoological Park, Chhatbir	19 th August, 2023
13	Tamil Nadu	Arignar Anna Zoological Park, Chennai	19 th August, 2023
14	Telangana	Nehru Zoological Park, Hyderabad	19 th August, 2023
15	Uttar Pradesh	Kanpur Zoological Park, Kanpur	19 th August, 2021
16	Uttar Pradesh	Nawab Wajid Ali Shah Zoological Garden, Lucknow	19 th August, 2021
17	West Bengal	Zoological Garden, Alipore	19 th August, 2023

Medium category zoos:

Sl.	State / U.T.	Name and location of the zoo	Recognition valid upto
1	Chhattisgarh	Kanan Pendari Zoological Garden, Bilaspur	19 th August, 2022
2	Chhattisgarh	MaitriBaag Zoo, Bhilai	19 th August, 2021
3	Chhattisgarh	Nandanvan Zoo and Safari, Naya Raipur	19 th August, 2022
4	Gujarat	Indroda Nature Park, Gandhinagar	19 th August, 2022
5	Gujarat	Sri Sayajibaug Zoo, Vadodara	19 th August, 2022
6	Gujarat	Dr. Shyamaprasad Mukharjee Zoological Garden, Surat	19 th August, 2021
7	Gujarat	Rajkot Municipal Zoo, Rajkot	19 th August, 2021
8	Jharkhand	Jawaharlal Nehru Biological Park, Bokaro	19 th August, 2022
9	Jharkhand	Tata Steel Zoological Park, Jamshedpur	19 th August, 2022
10	Jharkhand	Bhagwan Birsa Biological Park, Ranchi	19 th August, 2021
11	Kerala	State Museum & Zoo, Thrissur	19 th August, 2021
12	Maharashtra	Rajiv Gandhi Zoological Park and Wildlife Research Centre, Pune	19 th August, 2022
13	Maharashtra	Veer mata Jijabai Bhosale Udyan and Zoo, Byculla, Mumbai	19 th August, 2022
14	Manipur	Manipur Zoological Garden, Iroiseмба	19 th August, 2022
15	Nagaland	Nagaland Zoological Park, Rangapahar	19 th August, 2022
16	Rajasthan	Nahargarh Biological Park, Jaipur	19 th August, 2022
17	Tamil Nadu	Madras Crocodile Bank Trust - Centre for Herpetology, Mamallapuram	19 th August, 2022
18	Tripura	Sepahijala Zoological Park, Sepahijala	19 th August, 2021

19	West Bengal	Padmaja Naidu Himalayan Zoological Park, Darjeeling	19 th August, 2022
20	West Bengal	Jungle Mahal Zoological Park, Jhargram	19 th August, 2022

Small category zoos:

Sl.	State / UT	Name and location of the zoo	Recognition valid upto
1	Andaman and Nicobar Islands	Biological Park, Chidiyatapu	19 th August, 2022
2	Arunachal Pradesh	Biological Park, Itanagar	19 th August, 2022
3	Goa	Bondla Zoo, Usgao,	19 th August, 2021
4	Haryana	Rohtak Zoo, Rohtak,	19 th August, 2021
5	Himachal Pradesh	Dhauladhar Nature Park, Gopalpur	19 th August, 2022
6	Himachal Pradesh	Himalayan Nature Park, Kufri,	19 th August, 2022
7	Karnataka	Tiger and Lion Safari, Shivamogga	19 th August, 2022
8	Karnataka	Children Park cum Zoo, Gadag	19 th August, 2021
9	Kerala	Parassinikkadavu Snake Park and Zoo, Kannur,	19 th August, 2021
10	Madhya Pradesh	Van Vihar National Park Zoo, Bhopal	19 th August, 2022
11	Madhya Pradesh	Kamla Nehru Prani Sangrahalaya, Indore	19 th August, 2022
12	Madhya Pradesh	Gandhi Zoological Park, Gwalior,	19 th August, 2021
13	Maharashtra	Nisargakavi Bahinabai Chaudhary Prani Sangrahalay, Chinchwad	19 th August, 2022
14	Maharashtra	Sanjay Gandhi National Park Zoo, Borivali	19 th August, 2021
15	Meghalaya	Nehru Park Zoo, Danakgre, Tura, Akhongi Tura,	19 th August, 2021
16	Mizoram	Aizawl Zoological Park, Sakawrtuichhun	19 th August, 2022

17	Odisha	Kapilash Zoo, Deogaon, Dhenkanal District	19 th August, 2021
18	Odisha	Wild Animal Conservation Centre, Mothijharan, Sambalpur,	19 th August, 2021
19	Punjab	Patiala Zoo	19 th August, 2022
20	Punjab	Mini Zoo cum Deer Safari, Bir Talab, Bhatinda District	19 th August, 2022
21	Punjab	Ludhiana Zoo	19 th August, 2022
22	Rajasthan	Sajjangerh Biological Park, Udaipur	19 th August, 2022
23	Rajasthan	Kota Zoo	19 th August, 2022
24	Rajasthan	Machia Biological Park, Jodhpur,	19 th August, 2021
25	Sikkim	Himalayan Zoological Park, Bulbuley, Gangtok	19 th August, 2022
26	Tamil Nadu	Amirthi Zoo, Vellore	19 th August, 2022
27	Tamil Nadu	Kurumbapatti Zoological Park, Salem	19 th August, 2022
28	Tamil Nadu	Chennai Snake Park, Chennai	19 th August, 2022
29	Telangana	Kakatiya Zoological Park, Warangal,	19 th August, 2021
30	Uttarakhand	Pt. Govind Ballabh Pant High Altitude Zoo, Nainital,	19 th August, 2021
31	West Bengal	Marble Palace Zoo, Kolkata,	19 th August, 2021
32	West Bengal	Bardhaman Zoological Park, Burdwan,	19 th August, 2021

Mini category zoos:

Sl.	State / U.T.	Name and location of the zoo	Recognition valid upto
1	Andhra Pradesh	Deer Park, Chittoor	19 th August, 2021
2	Andhra Pradesh	Kandaleru Deer Park, Kandaleru	19 th August, 2021
3	Assam	Bijni Deer Park, Bongaigaon	19 th August, 2021
4	Arunachal Pradesh	Miao Mini Zoo	19 th August, 2021

5	Arunachal Pradesh	Mini Zoo, Roing	19 th August, 2021
6	Dadra & Nagar Haveli	Lion Safari-Vasona, Vasona	19 th August, 2021
7	Delhi	A.N. Jha Deer Park, Hauz Khas	19 th August, 2021
8	Gujarat	Sundervan Nature Discovery Centre, Ahmedabad	19 th August, 2021
9	Gujarat	Ambardi Wildlife Interpretation Zone (Ambardi Safari Park), Amreli	19 th August, 2021
10	Haryana	Mini Zoo Pipli, Pipli	19 th August, 2021
11	Haryana	Deer Park, Hisar	19 th August, 2021
12	Haryana	Mini Zoo, Bhiwani	19 th August, 2021
13	Himachal Pradesh	Sarahan Pheasantry, Sarahan	19 th August, 2021
14	Himachal Pradesh	Renuka Mini Zoo, Sirmur	19 th August, 2021
15	Himachal Pradesh	Rewalsar Mini Zoo, Mandi	19 th August, 2021
16	Jharkhand	Birsa Mrig Vihar, Kalamati, Ranchi	19 th August, 2021
17	Karnataka	Indira Priyadarshini Kiru Mrigalayaa, Anagodu	19 th August, 2021
18	Karnataka	Adumalleswara Mini Zoo and Balavana, Chitradurga	19 th August, 2021
19	Karnataka	Mini Zoo, Gendekatte, Hassan	19 th August, 2021
20	Karnataka	Deer Park, NMDC, Donimalai	19 th August, 2021
21	Karnataka	Kittur Rani Chennamma Nisarg Dhama, Belgaum	19 th August, 2021
22	Karnataka	Mini Zoo cum Children Park, Kalaburgi	19 th August, 2021
23	Karnataka	Namadachilume Deer Park, Tumkur	19 th August, 2021
24	Kerala	Kaprikkad Mini Zoo and Rescue Centre, Ernakulam	19 th August, 2021
25	Kerala	Snake Park, Malampuzha	19 th August, 2021
26	Kerala	Lion Safari, Neyyar Dam, Thiruvananthapuram	19 th August, 2021
27	Madhya Pradesh	Maharaja Martand Singh Judeo White Tiger Safari and Zoo, Mukundpur	19 th August, 2021
28	Maharashtra	Maharaja Shahaji Chhatrapati Zoo, Kolhapur	19 th August, 2021
29	Meghalaya	Lady Hydari Park cum Mini Zoo, Shillong	19 th August, 2021
30	Mizoram	Deer Park, Thenzawl	19 th August, 2021
31	Odisha	Gharial Research and Conservation Unit (GRACU), Tikarpada	19 th August, 2021

32	Odisha	Kuanria Deer Park, Nayagarh	19 th August, 2021
33	Odisha	Taptapani Deer Park	19 th August, 2021
34	Odisha	Harishankar Deer Park, Balangir	19 th August, 2021
35	Odisha	Deer Park, Papadahandi, Nawarangpur	19 th August, 2021
36	Punjab	Deer Park, Neelon	19 th August, 2021
37	Telangana	Karimnagar Deer Park, Karimnagar	19 th August, 2021
38	Telangana	Kinnerasani Deer Park, Kinnarsari	19 th August, 2021
39	Telangana	Deer Park, Jawahar Lake Tourist Complex, Shamirpet	19 th August, 2021
40	Telangana	Pillalamarri Deer Park, Pillalamarri Complex, Mahabub Nagar	19 th August, 2021
41	Uttar Pradesh	Nawabganj Deer Park, Unnao	19 th August, 2021
42	Uttar Pradesh	Sarnath Deer Park, Varanasi	19 th August, 2021
43	Uttar Pradesh	Van PraniUdyan, IVRI, Izatnagar, Bareilly	19 th August, 2021
44	Uttar Pradesh	Vinod Van Mini Zoo, Ramgarh (Gorakhpur Zoological Park), Gorakhpur	19 th August, 2021
45	Uttarakhand	Almora Mini Zoo	19 th August, 2021
46	Uttarakhand	Dehradun Mini Zoo	19 th August, 2021
47	West Bengal	Harinalaya Deer Park, New Town, Rajarhat, Kolkata	19 th August, 2021
48	West Bengal	Garchumuk Deer Park, Howrah	19 th August, 2021
49	West Bengal	North Bengal Wild Animals Park, Salugara	19 th August, 2021
50	West Bengal	Surulia Mini Zoo, Purulia	19 th August, 2021
51	West Bengal	Adina Deer Park, Malda	19 th August, 2021
52	West Bengal	Rasikbeel Mini Zoo, Coochbehar	19 th August, 2021
53	West Bengal	Sundarban Wild Animal Park, Jharkali	19 th August, 2021

Rescue Centres:

Sl.	State / U.T.	Name and location of the Rescue Centre	Recognition valid upto
1	Arunachal Pradesh	Centre for Bear Rehabilitation and Conservation (CBRC), Seijosa, Pakke Tiger Reserve	19 th August, 2021
2	Assam	Centre for Wildlife Rehabilitation and Conservation,	19 th August, 2021

		Golaghat	
3	Haryana	Ch. Surinder Singh Elephant Rescue Centre, Bansantour	19 th August, 2021
4	Haryana	Vulture Conservation Breeding Centre, Pinjore	19 th August, 2021
5	Himachal Pradesh	Nehru Pheasantry, Manali	19 th August, 2022
6	Karnataka	People for Animals Rescue Centre, Bengaluru	19 th August, 2021
7	Maharashtra	Amte's Animal Ark Rescue Centre, Hemalkasa	19 th August, 2021
8	Maharashtra	Manikdoh Leopard Rescue Centre, Khamgaon Colony, Junnar	19 th August, 2021
9	Maharashtra	People for Animals Rescue Centre, Wardha	19 th August, 2021
10	Maharashtra	Wildlife Rescue Centre, Gorewada	19 th August, 2021
11	Uttar Pradesh	Agra Bear Rescue Facility, Agra	19 th August, 2021
12	West Bengal	South Khairbari Rescue Centre, Madarihahat	19 th August, 2021

C. New zoos granted recognition during the year 2020-21:

Sl.	State / U.T.	Name and location of the zoo	Recognition date	Recognition valid upto
1	Bihar	Rajgir Zoo Safari, Nalanda	18 th December, 2020	6 th December, 2022
2	Gujarat	Greens Zoological, Rescue and Rehabilitation Centre, Jamnagar	17 th August, 2020	16 th August, 2023
3	Karnataka	Sri Atal Bihari Vajpayee Zoological Park, Kamalapur	23 rd December, 2020	6 th December, 2022
4	Uttar Pradesh	Shaheed Ashfaq Ullah Khan Prani Udyaan, Gorakhpur	18 th December, 2020	6 th December, 2022

D. Establishment of new zoos during the year 2020-21:

During the year 2020-21, prior approval for establishment of following zoos was granted under Sub-section (1-A) of Section 38-H of the Wild Life (Protection) Act, 1972:

1. Based on recommendation of the Technical Committee in its 99th Meeting held on January 22, 2021, the Chairperson of the Central Zoo Authority has granted prior approval for establishment of the Chidiyapur Rescue and Rehabilitation Centre, Haridwar, Uttarakhand, dated February 25, 2021, subject to compliance with the conditions stipulated.
2. Based on recommendation of the Technical Committee in its 99th Meeting held on January 22, 2021, the Chairperson of the Central Zoo Authority has granted prior approval for establishment of the Avian and Reptile Rehabilitation Centre, Bengaluru, Karnataka, dated March 1, 2021 subject to compliance with the conditions stipulated.
3. Based on recommendation of the Technical Committee in its 99th Meeting held on January 22, 2021, the Chairperson of the Central Zoo Authority has granted prior approval for

establishment of the Trichy Zoo, Tiruchirappalli District, Tamil Nadu, dated March 1, 2021 subject to compliance with the conditions stipulated.

4. Based on recommendation of the Technical Committee in its 99th Meeting held on January 22, 2021, the Chairperson of the Central Zoo Authority has granted prior approval for establishment of the Jambu Zoo, Jammu, U.T. of Jammu and Kashmir, dated February 15, 2021 subject to compliance with the conditions stipulated.

E. List of zoos given show-cause notice during the year 2020-21:

The zoos which were found not operating as per the standard and norms laid down under the Recognition of Zoo Rules, 2009 despite repeated directions from the CZA has been served Show Cause Notice to submit time bound commitment to bring about perceptible improvements in their performance otherwise the CZA shall be compelled to cancel / suspend their recognition keeping in view of the welfare of the captive animals kept in the zoo. The Zoo Operator of following 6 zoos have been served Show Cause Notice:

Sl.	State / U.T.	Zoo	Category	Date of Show Cause Notice
1	Andhra Pradesh	Deer Park, Chittoor	Mini Zoo	30 th December, 2020
2	Arunachal Pradesh	Miao Mini Zoo	Mini Zoo	29 th December, 2020
3	Arunachal Pradesh	Mini Zoo, Roing	Mini Zoo	1 st March, 2021
4	Chhattisgarh	Maitri Baag Zoo, Bhilai	Medium Zoo	25 th January, 2021
5	Gujarat	Great Golden Circus	Circus	1 st September, 2020
6	Odisha	Taptapani Deer Park, District Ganjam	Mini Zoo	27 th March, 2021

F. Cancellation of recognition of zoos during the year 2020-21:

The zoos which were not operating as per the standards and norms laid down under the Recognition of Zoo Rules, 2009 despite repeated directions by the CZA, the recognition of such zoos has been cancelled by the CZA in the interest of captive animals housed in those zoos. The 3 zoos whose recognition has been cancelled by the CZA during the year 2020-21 are as follows:

Sl.	State / U.T.	Zoo	Category	Date of cancellation
1	Gujarat	Great Golden Circus	Circus	17 th December, 2020
2	Karnataka	Childrens' Park cum Mini Zoo, Ballari	Mini Zoo	22 nd December, 2020
3	Odisha	Municipal Corporation Deer Park, Cuttack	Mini Zoo	18 th December, 2020

4.2 List of the recognized zoos as on 31st March 2021

The zoos in India require recognition of the Central Zoo Authority for operation under the provisions of the Section 38 H(1) of the Wild Life (Protection) Act, 1972. No zoo in the country can be established without prior permission and can be operated without recognition from the Central Zoo Authority.

For the purpose of scientific management and operation of zoos in the country and regulation of the physical and human infrastructure in the zoos, the Government of India has laid down standards and norms under the Recognition of Zoo Rules, 2009. Accordingly, under Rule 9 of the Recognition of Zoo Rules, 2009 the zoos in India have been classified in the categories such as “Large, Medium, Small and Mini zoos”. 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 Rule 9 of the Recognition of Zoo Rules, 2009 lays down the criteria (area of the zoo, number of visitors, number of species and animals and number of animals of endangered species) for classification of the zoos. 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 any of the above mentioned four categories.

As on 31.03.2021, there are 150 zoos in the country recognized under the Section 38 H(1) of the Wild Life (Protection) Act, 1972. The classification of these zoos are 17 Large category zoos, 24 Medium category zoos, 33 Small category zoos, 62 Mini category zoos and 14 Rescue Centre.

The list of the 150 recognized zoos in the country with their category is mentioned below:

Sl.	State	Zoo Name	Location	Category
1.	Andaman & Nicobar Islands	Biological Park, Chidiyatapu	Port Blair	Small
2.	Andhra Pradesh	Deer Park, Chittoor	Chittoor (East) Division	Mini
3.		Deer Park, Kandaleru	Kandaleru	Mini
4.		Indira Gandhi Zoological Park	Visakhapatnam	Large
5.		Karuna Wildlife Rescue and Rehabilitation Centre - Rayalseema	Dist. Anantapur	Rescue Centre
6.		Sri Venkateswara Zoological Park	Tirupati	Large
7.		Biological Park, Itanagar	Itanagar	Small
8.	Arunachal Pradesh	Centre For Bear Rehabilitation and Conservation	Pakke	Rescue Centre
9.		Miao Mini Zoo	Miao	Mini
10.		Mini Zoo, Roing	Roing	Mini
11.	Assam	Assam State Zoo Cum Botanical Garden	Guwahati	Large
12.		Bijni Deer Park	Bongaigaon	Mini
13.		Centre For Wildlife Rehabilitation And Conservation	Golaghat	Rescue Centre
14.	Bihar	Rajgir Zoo Safari	Nalanda	Mini

15.		Sanjay Gandhi Biological Park	Patna	Large
16.	Chhattisgarh	Kanan Pandari Zoo	Bilaspur	Medium
17.		Maitri Bagh Zoo	Bhilai	Medium
18.		Nandanvan Jungle Safari (Naya Raipur)	New Raipur	Medium
19.	Dadra & Nagar Haveli	Lion Safari - Vasona	Vasona	Mini
20.	Delhi	A.N.Jha Deer Park	Hauz khas (New Delhi)	Mini
21.		National Zoological Park	Delhi	Large
22.	Goa	Bondla Zoo	Usgao	Small
23.	Gujarat	Ambardi Wildlife Interpretation Zone (Ambardi Safari Park)	Amreli	Mini
24.		Dr. Shyamaprasad Mukharjee Zoological Garden	Surat	Medium
25.		Greens Zoological, Rescue and Rehabilitation Centre	Jamnagar	Mini
26.		Indroda Nature Park	Gandhi Nagar	Medium
27.		Kamla Nehru Zoological Garden	Ahmedabad	Large
28.		Rajkot Zoological Park	Rajkot	Medium
29.		Sakkarbaug Zoological Park	Junagarh	Large
30.		Sardar Patel Zoological Park	Kevadiya	Mini
31.		Sayaji Baug Zoo	Vadodara	Medium
32.		Sundervan Nature Discovery Centre	Jodhpur Tekra (Ahmedabad)	Mini
33.	Haryana	Ch. Surinder Singh Elephant Rescue Centre	Basantour	Rescue Centre
34.		Deer Park, Hissar	Hissar	Mini
35.		Mini Zoo,Bhiwani	Bhiwani	Mini
36.		Mini Zoo,Pipli	Pipli	Mini
37.		Rohtak Zoo	Rohtak	Small
38.		Vulture Conservation Breeding Center	Pinjore	Rescue Centre
39.			Dhauladhar Nature Park	Gopalpur

40.	Himachal Pradesh	Himalayan Nature Park	Kufri	Small
41.		Nehru Pheasantry	Manali	Rescue Centre
42.		Renuke Mini Zoo	Sirmur	Mini
43.		Rescue And Rehabilitation Home	Tutikandi	Rescue Centre
44.		Rewalsar Mini Zoo	Mandi	Mini
45.		Sarahan Pheasantry	Sarahan	Mini
46.	Jharkhand	Bhagwan Birsa Biological Park	Ranchi	Medium
47.		Birsa Mrig Vihar	Kalimati	Mini
48.		Jawaharlal Nehru Biological Park	Bokaro	Medium
49.		Tata Steel Zoological Park	Jamshedpur	Medium
50.	Karnataka	Bannerghatta Biological Park	Bengaluru	Large
51.		Children Park cum Zoo (Gadag Zoo)	Gadag	Small
52.		Deer Park, N.M.D.C.Ltd.	Donimalai	Mini
53.		Dr. K. Shivarma Karanth Pililkula Biological Park	Mangalore	Large
54.		Indira Priyadarshini Sangrahalaya, Anagodu	Davangere Taluk	Mini
55.		Kittur Rani Chennamma Nisarg Dhama Mini Zoo	Belgaum	Mini
56.		Mini Zoo A. M. Gudi Balvana	Chitradurga	Mini
57.		Mini Zoo at Gendekatte	Hassan	Mini
58.		Mini Zoo Cum Children Park	Kalaburgi	Mini
59.		Namadachilume Deer Park	Tumkur	Mini
60.		People For Animals - Rescue Centre	Bengaluru	Rescue Centre
61.		Sri Chamarajendra Zoological Gardens	Mysuru	Large
62.		Tiger & Lion Safari	Shimoga	Small
63.		Tungabhadra Dam Mini Zoo	Bellary	Mini
64.		Kaprikkad Mini Zoo and Rescue Centre	Ernakulam	Mini

65.	Kerala	Lion Safari Park at Nayyar Dam (Nayyar Mini Zoo)	Thirunvananthapuram	Mini
66.		Parassinikkadavu Snake Park and Zoo	Kannur	Small
67.		Snake Park, Malampuzha	Malampuzha	Mini
68.		State Museum & Zoo	Thrissur	Medium
69.		Thiruvananthapuram Zoo	Thirunvananthapuram	Large
70.	Madhya Pradesh	Gandhi Zoological Park	Gwalior	Small
71.		Kamla Nehru Prani Sanghralhalaya Zoo	Indore	Medium
72.		Maharaja Martand Singh Judeo White Tiger Safari and Zoo, Mukundpur	Satna	Mini
73.		Van Vihar National Park Zoo	Bhopal	Small
74.	Maharashtra	Amte's Animal Ark	Gadchiroli	Rescue Centre
75.		Aurangabad Municipal Zoo	Aurangabad	Small
76.		Gorewada International Zoo	Nagpur	Mini
77.		Leopard Rescue Centre	Manikdoh	Rescue Centre
78.		Maharaja Shahaji Chhatrapati Zoo	Kolhapur	Mini
79.		Maharajbag Zoo	Nagpur	Small
80.		Nisargakavi Bahinabai Choudhary Pranisangahalaya	Chinchiwad, Pune	Small
81.		People For Animals, Shelter House	Wardha	Rescue Centre
82.		Rajiv Gandhi Zoological Park and Wildlife Research Center	Pune	Medium
83.		Rescue Centre at Gorewada	Nagpur	Rescue Centre
84.		Sanjay Gandhi National Park and Zoo	Borivali	Small
85.	Veer mata Jijabai Bhosale Udyan & Zoo	Mumbai	Medium	
86.	Manipur	Manipur Zoological Garden	Iroisemba	Medium
87.	Meghalaya	Lady Hydari Park Animal Land (Meghalaya Zoo)	Shillong	Mini
88.		Nehru Park Zoo, Danakgre, Tura	Akhongini Tura	Small

89.	Mizoram	Aizawl Zoo (Mizoram Zoo)	Aizwal	Small
90.		Deer Park, Thenzawl	Thenzawl	Mini
91.	Nagaland	Nagaland Zoological Park, Rangapahar	Rangapahar	Medium
92.	Odisha	Deer Park, Papadahandi	Nawarangpur	Mini
93.		Gharial Research & Conservation Unit	Tikarpara	Mini
94.		Harishankar Deer Park	Balangir	Mini
95.		Indira Gandhi Park Zoo	Rourkela	Small
96.		Kapilash Zoo	Dhenkanal	Small
97.		Kuanria Deer Park, Nayagarh Forest Division	Nayagarh	Mini
98.		Nandankanan Biological Park	Bhubaneswar	Large
99.		Taptapani Deer Park	Parlakhemundi	Mini
100.		Wild Animal Conservation Center	Mothijharan, Sambalpur	Small
101.	Punjab	Deer Park, Bir Moti Bagh (Patiala Zoo)	Patiala	Small
102.		Deer Park, Bir Talab	Bhatinda	Mini
103.		Deer Park, Neelon	Ludhiana	Mini
104.		Ludhiana Zoo	Ludhiana	Small
105.		Mahendra Chaudhury Zoological Park	Chhatbir, Chandigarh	Large
106.	Rajasthan	Kota Zoo	Kota	Small
107.		Machia Biological Park (Jodhpur Zoo)	Jodhpur	Small
108.		Nahargarh Biological Park (Jaipur Zoo)	Jaipur	Medium
109.		Sajjangarh Biological Park (Udaipur Zoo)	Udaipur	Small
110.	Sikkim	Himalayan Zoological Park, Bulbuley	Gangtok	Small
111.	Tamil Nadu	Amirdhi Zoo	Vellore	Small
112.		Arignar Anna Zoological Park	Vandalur, Chennai	Large
113.		Chennai Snake Park	Guindy, Chennai	Small

114.		Childrens Park	Guindy, Chennai	Medium
115.		Kurumbapatti Zoological Park	Salem	Small
116.		Madras Crocodile Bank Trust/Centre for Herpetology	Mahabalipuram	Medium
117.		V.O.C. Park Mini Zoo	Coimbatore	Medium
118.	Telangana	Deer Park, Kesoram Cement	Basant nagar	Mini
119.		Deer Park, Jawahar Lake Tourist Complex	Shamirpet	Mini
120.		Kakatiya Zoological Park (Vanavigyan Kendra)	Warangal	Small
121.		Karimnagar Deer Park	Karimnagar	Mini
122.		Kinnerasani Deer Park	Kinnersari	Mini
123.		Nehru Zoological Park	Hyderabad	Large
124.		Pillalamarri Deer Park	Pillalamarri Complex, Mahabub Nagar	Mini
125.		Tripura	Sepahijala Zoological Park	Sepahijala, Agartala
126.	Uttar Pradesh	Agra Bear Rescue Facility	Agra	Rescue Centre
127.		Kanpur Zoological Park	Kanpur	Large
128.		Lion Breeding Centre and Multiple Safari Park, Etawah	Etawah	Mini
129.		Nawab Wazid Ali Shah Zoological Garden	Lucknow	Large
130.		Nawabganj Deer Park	Unnao	Mini
131.		Sarnath Deer Park	Varanasi	Mini
132.		Shaeed Ashfaque Ullah Khan Prani Udyan	Gorakhpur	Mini
133.		Van Prani Udyan, I.V.R.I.	Izatnagar, Bareilly	Mini
134.		Vinod Van Mini Zoo, Ramgarh	Gorakhpur	Mini
135.		Uttarakhand	Deer Park, Narain Tewari Dewal (Almora Zoo)	Almora
136.	Dehradun Mini Zoo		Dehradun	Mini
137.	Pt. Govind Ballabh Pant High Altitude Zoo		Nainital	Small
138.		Adina Deer Park	Malda	Mini

139.	West Bengal	Alipore Zoological Garden	Kolkata	Medium
140.		Bardhaman Zoological Park (Ramnabagan Mini Zoo)	Burdwan	Small
141.		Gar Chumuk (Ulughata) Deer Park	Howrah	Mini
142.		Harinalaya at Eco Park (Nature Park at Taratola Road)	Kolkata	Mini
143.		Jungle Mahal Zoological Park	Jhargram	Medium
144.		Marble Palace Zoo	Kolkata	Small
145.		North Bengal Wild Animals Park	Jalpaiguri	Mini
146.		Padmaja Naidu Himalayan Zoological Park	Darjeeling	Medium
147.		Rasikbeel Mini Zoo	Coochbehar	Mini
148.		South Khairbari Rescue Centre	Madarihat	Rescue Centre
149.		Sundarban Wild Animal Park, Jharkali	Dist.24 Parganas South	Mini
150.		Surulia Mini Zoo, Purulia	Purulia	Mini

4.3 Conservation Breeding Programme

The Central Zoo Authority has identified 74 species of indigenous fauna for focused conservation breeding. This includes 24 species of birds, 46 species of mammals and 4 species of reptiles. For this purpose, 42 zoos have been identified, of which 29, are designated as coordinating zoos. It was earlier envisioned that at least 100 genetically, physically and behaviourally fit individuals of each identified species are established. The goal is to have these populations as an ‘insurance’ (maintaining a viable ex situ population of the species to prevent predicted local, regional or global species extinction and preserve options for future conservation strategies) in case species restoration is planned. The establishment of these populations broadly follows the “IUCN Species Survival Commission Guidelines on the Use of Ex situ Management for Species Conservation (Version 2.0)”.

The CZA also published the first “Guidelines/Norms for Conservation Breeding Programme of the Central Zoo Authority” in 2011. As part of this, 25 species were provided financial assistance by the Central Zoo Authority. This includes 17 threatened species (3 Critically Endangered, 5 Endangered and 9 Vulnerable species). Since inception, the following are the key achievements:

Seven breeding programs have resulted in the establishment of captive populations with more than 50 individuals (range: 264-56) viz.,

- a. Indian Chevrotain (*Moschiola indica*)
- b. Northern Pig-tailed Macaque (*Macaca leonina*)
- c. Lion-tailed Macaque (*Macaca silenus*)

- d. White-rumped Vulture (*Gyps bengalensis*)
- e. Indian Vulture (*Gyps indicus*)
- f. Cheer Pheasant (*Catreus wallichii*)
- g. Western Tragopan (*Tragopan melanocephalus*)
- h. Red Crowned Roof Turtle (*Batagur kachuga*)

Four breeding programs have resulted in the establishment of captive populations with 30-50 individual species viz.

- a. Slender-billed Vulture (*Gyps tenuirostris*)
- b. Greater One-horned Rhino (*Rhinoceros unicornis*)
- c. Western Hoolock Gibbon (*Hoolock hoolock*)
- d. Phayre's Leaf-monkey (*Trachypithecus phayrei*)

Indian Chevrotain, Cheer Pheasant, Western Tragopan, White-rumped Vulture have fared well in captivity. More than 140 individuals of Indian Chevrotain have been released in the wild. Similarly, reintroduction attempts of Western Tragopan and Cheer Pheasant are underway in Himachal Pradesh. The critically endangered White-rumped Vulture and threatened Red Panda also planned to be reintroduced.

There is an ongoing international cooperation between Padmaja Naidu Himalayan Zoological, Darjeeling, West Bengal (coordinating zoo for the conservation breeding of Himalayan Red Panda (*Ailurus fulgens ssp. fulgens*) as part of which permission for the acquisition of 2.0 Himalayan Red Panda has been accorded to the said zoos from Auckland Zoo New Zealand and Debrecen Zoo Hungary.

The results of the efforts of the last five years in the direction of conservation breeding of endangered species have been depicted below in the tabular form with respect to a few species:

Indian Chevrotain (*Moschiola indica*)

Year	Male	Female	Unsex	Total
2015-2016	40	41	82	163
2016-2017	80	61	81	222
2017-2018	93	66	93	252
2018-2019	111	108	27	246
2019-2020	83	49	0	132
2020-2021	79	30	27	136

Lion-tailed Macaque (*Macaca silenus*)

Year	Male	Female	Unsex	Total
2015-2016	24	22	9	55
2016-2017	24	23	6	53
2017-2018	20	22	7	49
2018-2019	23	24	4	51
2019-2020	12	17	10	39
2020-2021	7	9	12	29

Snow Leopard (*Panthera uncia*)

Year	Male	Female	Unsex	Total
2015-2016	1	9	0	10
2016-2017	3	9	0	12
2017-2018	3	9	0	12
2018-2019	4	8	0	12
2019-2020	3	8	0	11
2020-2021	3	8	0	11

Western Tragopan (*Tragopan melanocephalus*)

Year	Male	Female	Unsex	Total
2015-2016	16	13	0	29
2016-2017	16	11	0	27
2017-2018	16	13	8	37
2018-2019	20	20	0	40
2019-2020	21	23	0	44
2020-2021	21	22	6	49

Red Panda (*Ailurus fulgens fulgens*)

Year	Male	Female	Unsex	Total
2015-2016	14	9	3	26
2016-2017	10	11	2	23
2017-2018	8	11	5	24
2018-2019	10	19	1	30
2019-2020	11	18	2	31
2020-2021	11	2	15	28

Cheer pheasant (*Catreus wallichii*)

Year	Male	Female	Unsex	Total
2015-2016	17	27	0	44
2016-2017	18	26	0	44
2017-2018	17	28	3	48
2018-2019	16	25	4	45
2019-2020	28	34	0	62
2020-2021	30	36	8	74

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

During the financial year 2020-21, the CZA has approved 46 animal exchange proposals of various animal species between Indian Zoos. During the financial year approvals for 11 international proposals for the acquisition/transfer of animals were accorded.

4.4.1 Exchange of captive animals between Indian Zoos

The 46 numbers of animal exchange proposals between Indian Zoos have been approved by the authority as per the details given below: -

Sl.	Name of Zoo and Animals to be given	Name of the Zoo and Animals to be given
1	Zoological Garden, Alipore, West Bengal	Junglemahal Zoological Park, Jhargram, West Bengal
	Fishing Cat (<i>Prionailurus viverrinus</i>)	0:1:0 Nil Nil

2	Junglemahal Zoological Park, Jhargram, West Bengal		Zoological Garden, Alipore, West Bengal	
	Grey Wolf (<i>Canis lupus</i>)	1:1:0	Nil	Nil
3	Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal		Junglemahal Zoological Park, Jhargram, West Bengal	
	Common Palm Civet (<i>Paradoxurus hermaphroditus</i>)	2:1:0	Nil	Nil
4	Zoological Garden, Alipore, West Bengal		Rasikbeel Mini Zoo, Coochbehar, West Bengal	
	Common Palm Civet (<i>Paradoxurus hermaphroditus</i>)	2:1:0	Nil	Nil
5	Pt. Govind Ballabh Pant High (Altitude) Zoo, Uttarakhand		Himalayan Zoological Park, Gangtok Sikkim	
	Red Panda (<i>Ailurus fulgens ssp. fulgens</i>)	1:0:0	Nil	Nil
6	Nandanvan Jungle Safari, NayaRaipur, Chhattisgarh		Dr. Shyama Prasad Mukherjee Zoological Garden, Surat, Gujarat	
	Asiatic Lion (<i>Panthera leo ssp. persica</i>)	1:1:0	Smooth-coated Otter (<i>Lutrogale perspicillata</i>)	1:1:0
7	Rajkot Zoological Park, Rajkot, Gujarat		Nehru Zoological Park, Hyderabad, Telangana	
	Asiatic Lion (<i>Panthera leo</i>)	0:1:0	Asiatic Lion (<i>Panthera leo</i>)	1:0:0
	Nil	Nil	Green Iguana (<i>Iguana iguana</i>)	1:1:0
8	Nahargarh Biological Park, Rajasthan		National Zoological Park, Delhi	
	Striped Hyena (<i>Hyaena hyaena</i>)	1:1:0	Hog Deer (<i>Axis porcinus</i>)	1:1:0
	Nil	Nil	Swamp Deer (<i>Rucervus duvaucelii</i>)	2:2:0
9	Aizwal Zoological Park, Aizawl, Mizoram		Nandankanan Zoological Park, Bhubaneswar, Odisha	
	Asiatic Black Bear (<i>Ursus thibetanus laniger</i>)	1:1:0	Nil	Nil
	Wild dog (<i>Cuon alpinus</i>)	1:1:0	Nil	Nil
	Asian Brown Tortoise (<i>Manouria emys</i>)	3:3:0	Nil	Nil
	Assamese Macaque (<i>Macaca assamensis</i>)	1:1:0	Nil	Nil
10	Bhagwan Birsa Biological Park, Ranchi, Jharkhand		Jawaharlal Nehru Biological Park, Bokaro, Jharkhand	
	Sambar (<i>Rusa unicolor</i>)	1:2:0	Nil	Nil
	Nilgai (<i>Boselaphus tragocamelus</i>)	1:2:0	Nil	Nil
	Porcupine (<i>Hystrix indica</i>)	1:1:0	Nil	Nil
	Asiatic Black Bear (<i>Ursus thibetanus ssp. laniger</i>)	1:0:0	Nil	Nil
11	Dr. Shyamaprasad Mukherjee Zoological Garden, Surat, Gujarat		Sri Sayajibaug Zoo, Vadodara, Gujarat	

	Spotted Deer (<i>Axis axis</i>)	3:9:0	Nil	Nil
	Nilgai (<i>Boselaphus tragocamelus</i>)	1:0:0	Nil	Nil
12	Dr. Shyamaprasad Mukherjee Zoological Garden, Surat, Gujarat		Bhagwan Birsa Biological Park, Ranchi, Jharkhand	
	Hippopotamus (<i>Hippopotamus amphibius</i>)	0:1:0	Sloth bear (<i>Melursus ursinus</i>)	1:0:0
13	Sakkarbaug Zoo, Junagadh, Gujarat		Greens Zoological, Rescue and Rehabilitation Centre (GZRRK), Jamnagar, Gujarat	
	Leopard (<i>Panthera pardus</i>)	0:0:35	Nil	Nil
14	Sri Chamarajendra Zoological Gardens, Mysuru, Karnataka		Bannerghatta Biological Park, Bannerghatta, Bengaluru, Karnataka	
	Hamadryas Baboon (<i>Papio hamadryas</i>)	2:4:0	Nil	Nil
15	Van Vihar National Park, Bhopal, Madhya Pradesh		Kamla Nehru Prani Sangrahalaya, Indore, Madhya Pradesh	
	Nil	Nil	Gharial (<i>Gavialis gangeticus</i>)	2:2:0
16	Nandankanan Zoological Park, Bhubaneswar, Odisha		Kamla Nehru Prani Sangrahalaya, Indore, Madhya Pradesh	
	Bengal Tiger (leucistic) (<i>Panthera tigris</i>)	0:1:0	Indian Lion (<i>Panthera leo</i>)	0:2:0
	Bengal Tiger (Melanistic) (<i>Panthera tigris</i>)	1:0:0	Gharial (<i>Gavialis gangeticus</i>)	2:1:0
	Gharial (<i>Gavialis gangeticus</i>)	2:1:0	Indian Wolf (<i>Canis lupus pallipes</i>)	2:1:0
	Golden Pheasant (<i>Chrysolophus pictus</i>)	2:2:0	Indian Fox (<i>Vulpes bengalensis</i>)	0:1:0
	Silver Pheasant (<i>Lophura nycthemera</i>)	2:2:0	Nil	Nil
17	Assam State Zoo-cum-Botanical Garden, Guwahati, Assam		National Zoological Park, New Delhi	
	Greater One-Horned Rhinoceros (<i>Rhinoceros unicornis</i>) ('Pori'; NSB 112)	0:1:0	Greater One-Horned Rhinoceros (<i>Rhinoceros unicornis</i>) ('Maheshwari'; NSB 100)	0:1:0
18	Assam State Zoo-cum-Botanical Garden, Guwahati, Assam		Greens Zoological Rescue & Rehabilitation Centre, Jamnagar, Gujarat	
	Leopard (<i>Panthera pardus</i>) (melanistic)	1:1:0	Nil	Nil
19	Rajiv Gandhi Zoological Park & Wildlife Research Centre, Pune, Maharashtra		Rajkot Zoological Park, Rajkot, Gujarat	
	Bengal Tiger (<i>Panthera tigris</i>)	1:0:0	Bengal Tiger (<i>Panthera tigris</i>) (leucistic)	0:1:0
20	Assam State Zoo, Guwahati, Assam		Aizawl Zoological Garden, Mizoram	
	Royal Bengal tiger (<i>Panthera tigris</i>)	1:1:0	Hoolock gibbon (<i>Hoolock hoolock</i>)	1:1:0
21	Nahargarh Biological Park, Jaipur, Rajasthan		Nandankanan Zoological Park, Bhubaneswar, Odisha	
	Indian Wolf (<i>Canis lupus pallipes</i>)	1:1:0	Tiger (<i>Panthera tigris</i>) (one male white tiger and one RBT)	1:1:0

			female)	
	Leopard (<i>Panthera pardus</i>)	1:1:0	Wild boar (<i>Sus scrofa</i>)	1:0:0
	Gharial (<i>Gavialis gangeticus</i>)	2:0:0	Zebra finch (<i>Taeniopygia guttata</i>)	15:15:0
	Chinkara (<i>Gazella bennettii</i>)	2:0:0	Java sparrow (<i>Lonchura oryzivora</i>)	7:7:0
22	Abhedha Biological Park, Kota, Rajasthan		Sajjangarh Biological Park, Udaipur, Rajasthan	
	Nil	Nil	Hybrid Lion (<i>Panthera spp.</i>)	1:0:0
23	Arignar Anna Zoological Park, Chennai, Tamil Nadu		Sajjangarh Biological Park, Udaipur, Rajasthan	
	Bengal tiger (<i>Panthera tigris ssp. tigris</i>)	0:1:0	Indian Fox (<i>Vulpes bengalensis</i>)	1:1:0
	Wolf (<i>Canis lupus</i>)	1:1:0	Emu (<i>Dromaius novaehollandiae</i>)	2:2:0
	Nil	Nil	Jackal (<i>Canis aureus</i>)	1:1:0
24	Aizawl Zoological Park, Aizawl, Mizoram		Nandankanan Zoological Park, Bhubaneswar, Odisha	
	Stump-tailed macaque (<i>Macaca arctoides</i>)	3:3:0	Nil	Nil
25	Sri Sayajibaug Zoo, Vadodara, Gujarat		Tata Steel Zoological Park, Jamshedpur, Jharkhand	
	Nil	Nil	Black buck (<i>Antelope cervicapra</i>)	5:5:0
	Nil	Nil	Hog deer (<i>Axis porcinus</i>)	2:7:0
26	Nandanvan Jungle Safari, NayaRaipur, Chhattisgarh		Dr. Shyama Prasad Mukherjee Zoological Garden, Surat, Gujarat	
	Asiatic Lion (<i>Panthera leo ssp. persica</i>)	1:1:0	Smooth-coated Otter (<i>Lutrogale perspicillata</i>)	1:1:0
27	National Zoological Park, New Delhi		Rohtak Zoo, Haryana	
	Blackbuck (<i>Antelope cervicapra</i>) (Albino)	3:3:0	Nil	Nil
28	Nawab Wazid Ali Shah Zoological Garden, Lucknow, Uttar Pradesh		Shaheed Ashfaq Ullah Khan Prani Udyaan, Gorakhpur, Uttar Pradesh	
	Swamp Deer (<i>Rucervus duvaucelii</i>)	2:2:0	Nil	Nil
	Black Buck (<i>Antelope cervicapra</i>)	4:3:0	Nil	Nil
	Barking Deer (<i>Muntiacus muntjac</i>)	3:3:0	Nil	Nil
	Indian crested Porcupine (<i>Hystrix indica</i>)	1:1:0	Nil	Nil
	Tiger (<i>Panthera tigris ssp. tigris</i>)	0:1:0	Nil	Nil
	Leopard (<i>Panthera pardus</i>)	0:1:0	Nil	Nil
	Jungle Cat (<i>Felis chaus</i>)	0:1:0	Nil	Nil
	Asiatic Golden Jackal (<i>Canis aureus</i>)	1:1:0	Nil	Nil
	Hog Deer (<i>Axis porcinus</i>)	1:1:0	Nil	Nil
	Rosy Pelican (<i>Pelecanus onocrotalus</i>)	2:2:0	Nil	Nil
	Painted Stork (<i>Mycteria leucocephala</i>)	1:1:0	Nil	Nil
	Gharial (<i>Gavialis gangeticus</i>)	1:1:0	Nil	Nil

	Russell Viper (<i>Vipera russellii</i>)	0:0:2	Nil	Nil
	Indian Python (<i>Python molurus</i>)	1:1:0	Nil	Nil
29	Kanpur Zoological Park, Kanpur, Uttar Pradesh		Shaheed Ashfaq Ullah Khan Prani Udyan, Gorakhpur, Uttar Pradesh	
	Tiger (<i>Panthera tigris</i>)	2:0:0	Nil	Nil
	Leopard (<i>Panthera pardus</i>)	3:1:0	Nil	Nil
	Rhesus Macaque (<i>Rhesus macaque</i>)	1:1:0	Nil	Nil
	Mugger Crocodile (<i>Crocodylus palustris</i>)	0:0:10	Nil	Nil
	Rat Snake (<i>Ptyas mucosa</i>)	2:0:0	Nil	Nil
	Hog deer (<i>Hyelaphus porcinus</i>)	0:2:0	Nil	Nil
	Indian porcupine (<i>Hystrix indica</i>)	1:1:0	Nil	Nil
30	Vinod Van Mini Zoo, Ramgarh, Gorakhpur, Uttar Pradesh		Shaheed Ashfaq Ullah Khan Prani Udyan, Gorakhpur, Uttar Pradesh	
	Hog deer (<i>Axis porcinus</i>)	1:1:0	Nil	Nil
	Peafowl (<i>Pavo cristatus</i>)	1:3:0	Nil	Nil
	Indian Rock Python (<i>Python molurus</i>)	0:0:4	Nil	Nil
31	Sanjay Gandhi Biological Park, Patna, Bihar		Rajgir Zoo Safari, Nalanda, Bihar	
	Leopard (<i>Panthera pardus</i>)	1:1:0	Nil	Nil
	Sloth Bear (<i>Melursus ursinus</i>)	1:1:0	Nil	Nil
32	Bannerghatta Biological Park, Karnataka		Children Park cum Mini Zoo, Gadag, Karnataka	
	Lion (Hybrid) (<i>Panthera spp</i>)	2:0:0	Nil	Nil
33	Assam State Zoo cum Botanical Garden, Guwahati, Assam		Shaheed Ashfaq Ullah Khan Prani Udyan, Gorakhpur, Uttar Pradesh	
	One horned Rhinoceros (<i>Rhinoceros unicornis</i>)	1:1	Nil	Nil
34	Bannerghatta Biological Park, Karnataka		Atal Bihari Vajapayee Zoological Park, Karnataka	
	Lion (Hybrid) (<i>Panthera spp</i>)	1:1	Nil	Nil
35	Sakkarbaug Zoo, Junagarh, Gujarat (on behalf of Sardar Patel Zoological Park)		Assam State Zoo cum botanical Garden, Guwahati, Assam	
	Asiatic Lion (<i>Panthera leo</i>)	1:2:0	Black Panther (<i>Panthera pardus</i>)	0:1:0
36	Etawah Safari Park, Etawah, Uttar Pradesh		Shaheed Ashfaq Ullah Khan Prani Udyan, Gorakhpur, Uttar Pradesh	
	Lion (<i>Panthera leo</i>)	1:1:0	Nil	Nil
37	Kanpur Zoological Park, Kanpur, Uttar Pradesh		Shaheed Ashfaq Ullah Khan Prani Udyan, Gorakhpur, Uttar Pradesh	
	Langur (<i>Semnopithecus entellus</i>)	1:1:0	Nil	Nil
38	Arignar Anna Zoological Park, Vandalur, Tamil Nadu		Dr. K. Shivarama Karanth Pililkula Biological Park, Mangaluru, Karnataka	
	Bengal Tiger (<i>Panthera tigris</i>) (leucistic)	0:1:0	Wild dog (<i>Cuon alpinus</i>)	2:2:0

	Asiatic lion (<i>Panthera leo</i>)	1:0:0	Bengal tiger (<i>Panthera tigris tigris</i>)	1:0:0
	Ostrich (<i>Struthio camelus</i>)	0:1:0	Checkered keelback snake (<i>Xenochropis piscator</i>)	2:2:0
	Nil	Nil	Whitaker's Boa (<i>Eryx whitaker</i>)	1:1:0
39	Arignar Anna Zoological Park, Chennai, Tamil Nadu		Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh	
	Ostrich (<i>Struthio camelus</i>)	1:2:0	Wild Dog (<i>Cuon alpinus</i>)	1:1:0
	Wolf (<i>Canis lupus</i>)	2:0:0	Jackal (<i>Canis aureus</i>)	1:3:0
	Reticulated python (<i>Python reticulatus</i>)	1:1:0	Nil	Nil
40	Bannerghatta Biological Park, Bannerghatta, Karnataka		Assam State Zoo cum Botanical Garden, Guwahati, Assam	
	Bengal Tiger (<i>Panthera tigris</i>)	1:0:0	Himalayan black bear (<i>Ursus thibetanus laniger</i>)	1:1:0
	Nil	Nil	Leopard Cat (<i>Prionailurus bengalensis</i>)	1:1:0
41	Shaheed Ashfaq Ullah Khan Prani Udyaan, Gorakhpur, Uttar Pradesh		Bhagwan Birsa Biological Park, Ranchi, Jharkhand	
	Nil	Nil	Sloth bear (<i>Melursus ursinus</i>)	1:1:0
42	Sanjay Gandhi Biological Park, Patna, Bihar		Rajgir Zoo Safari, Nalanda, Bihar	
	Leopard (<i>Panthera pardus</i>)	1:1:0	Nil	Nil
	Sloth bear (<i>Melursus ursinus</i>)	1:1:0	Nil	Nil
43	Rajkot Zoological Park, Rajkot, Gujarat		Dr. Shyamaprasad Mukharjee Zoological Garden, Surat, Gujarat	
	White Tiger (<i>Panthera tigris</i>)	1:1:0	Smooth Coated Otter (<i>Lutrogale perspicillata</i>)	1:1:0
	Hog Deer (<i>Hyelaphus porcinus</i>)	2:2:0	Leopard (<i>Panthera pardus</i>)	1:1:0
	Silver Pheasant (<i>Lophura nycthemera</i>)	1:1:0	White Peafowl (<i>Pavo crestatus</i>)	1:1:0
	Jackal (<i>Canis aureus</i>)	1:1:0	Spoonbill (<i>Platalea leucorodia</i>)	1:1:0
44	Rajkot Zoological Park, Rajkot, Gujarat		Indroda Nature Park, Gandhinagar, Gujarat	
	Bengal Tiger (White) (<i>Panthera tigris</i>)	1:1:0	Nil	Nil
45	Kittur Rani Channamma Mini Zoo, Bhutaramanahatti, Belagavi, Karnataka		Bannerghatta Biological Park, Bengaluru, Karnataka	
	Asiatic Lion (Hybrid) (<i>Panthera spp.</i>)	2:1:0	Nil	Nil
46	Nehru Zoological Park, Hyderabad, Telangana		Sri Sayajibaug Zoo, Vadodara, Gujarat	
	Pig tailed macaque (<i>Macaca nemestrina</i>)	1:0:0	White tiger (<i>Panthera tigris</i>)	1:0:0
	Golden Pheasant (<i>Chrysolophus pictus</i>)	1:1:0	Chausingha (<i>Tetracerus quadricornis</i>)	1:1:0

Red necked pheasant (<i>Phasianus colchicus</i>)	1:1:0	White peafowl (<i>Pavo cristatus</i>)	1:2:0
Sun conure (<i>Aratinga solstitialis</i>)	2:2:0	Red Jungle fowl (<i>Gallus gallus</i>)	2:2:0

4.4.2 Exchange proposal between Indian Zoos & Foreign Zoos

During the financial year 2020-21, following 11 permissions were accorded as per section 38-I of the Wild Life Protection Act, 1972 for the acquisition/ transfer of animals between Indian and foreign zoos:

Sl.	Name of the Donor Zoo	Name of the recipient zoo	Species	Numbers (Male. Female. Unknown)
1	Sri Chamarajendra Zoological Gardens, Karnataka	Toyahashi Zoo and Botanical Garden, Japan	Asian Elephant (<i>Elephas maximus</i>)	1.2.0
2	Safari Wonderland, Malaysia	Sri Chamarajendra Zoological Gardens, Karnataka	Bornean Orangutan (<i>Pongo pygmaeus</i>)	1.1.0
3	Zoo Taiping and Night Safari Malaysia	Sri Chamarajendra Zoological Gardens, Karnataka	Chimpanzee (<i>Pan troglodytes</i>)	1.0.0
4	Allwetter Zoo, Munster, Germany	Sri Chamarajendra Zoological Gardens, Karnataka	Western Lowland Gorilla (<i>Gorilla gorilla ssp. gorilla</i>)	2.0
5	Singapore Zoological Gardens, Singapore	Sri Chamarajendra Zoological Gardens, Karnataka	Bornean Orangutan (<i>Pongo pygmaeus</i>)	1.1
	Sri Chamarajendra Zoological Gardens, Karnataka	Singapore Zoological Gardens, Singapore	Giraffe (<i>Giraffe camelopardalis</i>)	2.0
6	Madras Crocodile Bank Trust, Tamil Nadu	Phoenix Herpetological Society, USA	Mugger (<i>Crocodylus palustris</i>)	2.4
	Madras Crocodile Bank Trust, Tamil Nadu	Phoenix Herpetological Society, USA	Gharial (<i>Gavialis gangeticus</i>)	3.3
	Phoenix Herpetological Society, USA	Madras Crocodile Bank Trust, Tamil Nadu	American Crocodile (<i>Crocodylus acutus</i>)	1.1
	Phoenix Herpetological Society, USA	Madras Crocodile Bank Trust, Tamil Nadu	African Dwarf Crocodile (<i>Osteolaemus tetraspis</i>)	1.1
7	Auckland Zoo, New	Padmaja Naidu Zoological	Red Panda (<i>Ailurus</i>)	1.0

	Zealand	Park, West Bengal	<i>fulgens ssp. fulgens</i>)	
8	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Bengal tiger (hybrid) (<i>Panthera tigris</i>)	0.0.50
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Lion (hybrid) (<i>Panthera leo</i>)	0.0.50
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Jaguar (<i>Panthera onca</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Leopard (<i>Panthera pardus</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Cougar (<i>Puma concolor</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Cheetah (African) (<i>Acinonyx jubatus</i>)	0.0.12
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Ocelot (<i>Leopardus pardalis</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Margay (<i>Leopardus wiedii</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Jaguarundi (<i>Herpailurus yagouaroundi</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Giant Anteater (<i>Myrmecophaga tridactyla</i>)	0.0.8
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Anteater sp. (<i>Tamandua species</i>)	0.0.8
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Mexican-hairy Dwarf Porcupine (<i>Sphiggurus mexicanus</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Brown Bear (<i>Ursus arctos</i>)	0.0.8
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	American Black Bear (<i>Ursus americanus</i>)	0.0.10

		Jamnagar, Gujarat		
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Bobcat (<i>Lynx rufus</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	Linnaeus's Two-toed Sloth (<i>Choloepus didactylus</i>)	0.0.10
	Fauna De Zoo, Mexico	Greens Zoological Rescue and Rehabilitation Centre, Jamnagar, Gujarat	American Flamingo (<i>Phoenicopterus ruber</i>)	0.0.50
9	Zoological Gardens, Ramat Gan (Safari), Israel	Adumalleshwara Mini Zoo and Balavana, Karnataka	Grant's Zebra (<i>Equus quagga boehmi</i>)	1.2
10	Unknown	Sardar Patel Zoological Park, Kevadia, Gujarat	Giraffe (<i>Giraffe camelopardalis</i>)	0.1
	Unknown	Sardar Patel Zoological Park, Kevadia, Gujarat	Plains Zebra (<i>Equus quagga</i>)	3.0
	Unknown	Sardar Patel Zoological Park, Kevadia, Gujarat	Gemsbok (<i>Oryx gazella</i>)	3.1
	Unknown	Sardar Patel Zoological Park, Kevadia, Gujarat	Red-necked Wallaby (<i>Macropus rufogriseus</i>)	2.2
11	Debrecen Zoo, Hungary	Padmaja Naidu Zoological Park, West Bengal	Red Panda (<i>Ailurus fulgens ssp. fulgens</i>)	0.1

4.4.3 Permission to house rescued animals in zoos

The Central Zoo Authority, other than above animal exchange proposals, has also approved the following proposal regarding the acquisition of rescued animals by Indian zoos:-

1. The Central Zoo Authority has provided NOC for acquisition of rescued Sloth Bear (*Melursus ursinus*) (Male) by Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh subject to the condition that the zoo should have facilities of housing, upkeep and healthcare and the animal be housed in off display area.
2. The Central Zoo Authority has provided NOC for transfer of rescued Black buck fawn (*Antelope cervicapra*) at Van Vihar National Park & Zoo, Bhopal, Madhya Pradesh subject to the condition that the zoo should have facilities of housing, upkeep and healthcare and the animal be housed in an off-display area.
3. The Central Zoo Authority has provided NOC to keep seized Black-and-White Ruffed Lemur (*Varecia variegata*) and Diademed Monkey (*Cercopithecus mitis*) in Veermata Jijabai Bhosale (V.J.B.) Udyan & Zoo, Mumbai, Maharashtra subject to the condition that the zoo should have facilities of housing, upkeep and healthcare and the animal be housed in an off-display area.
4. The Central Zoo Authority has approved the acquisition of wild rescued Bengal Tiger (*Panthera tigris ssp. tigris*) (2:0) by Van Vihar National Park Zoo, Bhopal, Madhya Pradesh

subject to the condition that these animals should be kept off-display, and the availability of prescribed housing, upkeep and healthcare facilities.

5. The Central Zoo Authority has approved the acquisition of confiscated African spurred tortoise (*Geochelone sulcata*) (0:0:5) by the Van Vihar National Park Zoo, Bhopal, Madhya Pradesh subject to the consideration that the matter may be sub-judice and the court decision may have ownership implications. Also, the acquisition is subject to the condition that these animals should be kept off-display, and the availability of prescribed housing, upkeep and healthcare facilities
6. The Central Zoo Authority has approved the transfer of Leopard (*Panthera pardus*) (0:0:48) to the Greens Zoological, Rescue and Rehabilitation Kingdom (a satellite facility), Jamnagar, Gujarat for long-term care in an off-display facility.
7. The Central Zoo Authority has approved the acquisition of 1:1 Bengal Tiger (*Panthera tigris ssp. tigris*) rescued from Bandhavgarh Tiger Reserve, Madhya Pradesh to Van Vihar National Park Zoo, Bhopal, Madhya Pradesh and constituted a committee at CZA level to prepare policy guidelines for placement and management of rescued animals in zoos.
8. The Central Zoo Authority has approved the acquisition of rescued 1:0 Leopard (*Panthera pardus*) by the Van Vihar National Park Zoo, Bhopal, Madhya Pradesh from the Kamla Nehru Prani Sanghralaya, Indore, Madhya Pradesh subject to housing the animal in off-display rescue facilities.
9. The Central Zoo Authority has approved the acquisition of *Panthera pardus* (1:1:0) and *Melursus ursinus* (1:1:0) which are of wild origin by the Rajgir Zoo Safari, Nalanda, Bihar from the Sanjay Gandhi Biological Park, Patna, Bihar under section 38(I) of the Wild Life (Protection) Act, 1972.
10. The Central Zoo Authority has provided post-facto approval for the acquisition and transfer of 12 Leopard (*Panthera pardus*) from the zoos as per the details below to CCMB-LaCONES, subject to the following conditions:

Sl.	Source Zoo	No. of. Leopards (M:F:U)
1	Nehru Zoological Park, Hyderabad	7 (3:4:0)
2	Sri Venkateswara Zoological Park, Tirupati	2 (1:1:0)
3	Indira Gandhi Zoological Park, Visakhapatnam	3 (2:1:0)
	Total	12 (6:6:0)

4.4.4 Proposals for transfer of animals from/ or to Indian zoos

The Central Zoo Authority, other than above animal exchange proposals, has also approved the following proposal for transfer of animals from Indian zoos:-

1. The Central Zoo Authority has permitted the proposal and provided NOC for release of surplus Spotted deer [*Axis axis* (15:25:0)] and Sambar [*Rusa unicolor* (3:10:0)] from Tiger & Lion Safari, Shimoga, Karnataka subject to the condition that the authorities may be advised to select alternate suitable site in the forest habitats other than the Protected Area. Even there,

the animals should be released strictly in accordance with the IUCN (Quarantine and health screening protocols for wildlife prior to translocation and release into the wild) and CZA protocols subject to permission under the Wild Life (Protection) Act by the competent authority.

2. The Central Zoo Authority has permitted the proposal and provided NOC for release of surplus Spotted Deer [*Axis axis* (40:120:0)] and Sambar [*Rusa unicolor* (4:8:0)] from Bhagwan Birsa Biological Park, Ormanjhi, Ranchi, Jharkhand subject to the condition that the authorities may be advised to select alternate suitable site in the forest habitats other than the Protected Area. Even there, the animals should be released strictly in accordance with the IUCN (Quarantine and health screening protocols for wildlife prior to translocation and release into the wild) and CZA protocols, subject to permission under the Wild Life (Protection) Act by the competent authority.
3. The Central Zoo Authority has permitted the proposal and provided NOC for release of surplus 6 male Rhesus macaque (*Macaca mulatta*) from the Rajiv Gandhi Zoological Park & Wildlife Research Centre, Pune, Maharashtra in Natural Habitat subject to the condition that the authorities may be advised to select suitable site in the forest habitats other than the Protected Area. Even there, the animals should be released strictly in accordance with the IUCN (Quarantine and health screening protocols for wildlife prior to translocation and release into the wild) and CZA protocols, subject to permission under the Wild Life (Protection) Act by the competent authority.
4. The Central Zoo Authority has provided post-facto approval for transfer of surplus animals (2 species 47 animals) *i.e.* Black buck [*Antelope cervicapra* (03:20:10)] & Sambar [*Rusa unicolor* (03:01:10)] from the National Zoological Park, New Delhi to the Mukundra Hill Tiger Reserve, Rajasthan.
5. The Central Zoo Authority has approved the release of Rhesus Macaque (*Macaca mullata*) 0:3:1 and 0:1:1 Common Langur (*Semnopithecus entellus*) from Rescue Centre, Gorewada, Nagpur, Maharashtra to natural habitat subject to following the CZA and IUCN guidelines.

4.5 Maintenance of Studbooks

The CZA has initiated updation of National Studbooks of endangered species to fulfil one of the assigned functions under Section 38-C of Wild Life Protection Act, 1972. Currently, the correspondence with Indian zoos holding species identified for conservation breeding is being taken up in order to collect data. Parallel to this, the secretariat is also liaising with International studbook keepers of the corresponding species in order to ensure that the information of individuals housed in Indian zoos are accurately incorporated in the International Studbook.

4.6 Improved Planning Process of Zoos

As per the provisions under Rule 10.3 (1) of the Recognition of Zoo Rules, 2009, the recognized zoos in the country have to prepare a Master Plan of the zoo for its long-term development and it should get approved by the Central Zoo Authority. This Master Plan is prepared for a period of twenty years which shall be revised every ten years. This provision has been made for the planned development of the zoo on scientific lines. The Central Zoo Authority provides financial assistance to the zoos for the preparation of Master Plans.

4.6.1 Master Plan

During the current financial year, the CZA has approved the following Master Plans of 14 zoos subject to the compliance of the stipulated conditions:

Sl.	Name of the Zoo
1.	Indira Gandhi Zoological Park, Visakhapatnam, Andhra Pradesh
2.	Veermata Jija Bai Bhosale Udyaan Zoo, Maharashtra
3.	Renuka Mini Zoo, Himachal Pradesh
4.	Kanpur Zoological Park, Uttar Pradesh
5.	Kakatiya Zoological Park, Warangal, Telangana
6.	Dehradun Mini Zoo, Dehradun, Uttarakhand
7.	Mini Zoo and Deer Safari, Bir Talab, Bhatinda, Punjab
8.	Pipli Zoo, Pipli, Haryana
9.	Abheda Biological Park, Kota, Rajasthan
10.	Deer Park, Hisar, Haryana
11.	Deer Park, Bhiwani, Haryana
12.	Lion Breeding Centre and Multiple Safari Parks, Etawah, Uttar Pradesh
13.	Parassinikkadavu Snake Park & Zoo, Kerala
14.	Kurumbapatti Zoological Park, Salem, Tamil Nadu

4.6.2 Master (Layout) Plan

The Master (Layout) Plan is a part of the Master Plan of the zoo which indicates the location of various infrastructure and facilities of the zoo. During the reporting period, the Central Zoo Authority has approved 7 Master (Layout) Plans which includes Master (Layout) Plan for new zoos and revised/amended Master (Layout) Plan of the zoos of the following zoos:-

Sl.	Name and location of the Zoo
1.	Zoological Garden, Alipore, Kolkata, West Bengal
2.	South Khairbari Leopard Rehabilitation Centre/ Leopard Safari and Mini Zoo, Alipurduar, West Bengal
3.	Master (Layout) Plan of the Lion Breeding Centre & Multiple Safari Park, Etawah, Uttar Pradesh (Revised)
4.	Greens Zoological Rescue and Rehabilitation Kingdom, Jamnagar, Gujarat including the Satellite Rescue Centre for Leopard
5.	Bannerghatta Biological Park, Bengaluru, Karnataka (Revised)
6.	Sakkarbaug Zoological Park, Junagadh, Gujarat (Revised)
7.	Sri Atal Bihari Vajpayee Zoological Park, Kamalapura, Bellary, Karnataka (Revised)

4.7 Others

4.7.1 Setting up of regional biobanking facilities in zoos

The Central Zoo Authority based on recommendation of the Technical Committee in its 100th meeting held on March 23, 2021, accorded in-principle approval for the activity of setting up regional biobanking facilities under a tripartite MOU in the following zoos:

1. Padmaja Naidu Himalayan Zoological Park, Darjeeling, West Bengal
2. Nehru Zoological Park, Hyderabad, Telangana
3. Bannerghatta Biological Park, Bengaluru, Karnataka
4. Sakkarbaug Zoological Park, Junagarh, Gujarat
5. Sepahijala Zoological Park, Agartala, Tripura
6. National Zoological Park, Delhi

4.7.2 Utilization Certificates

The Central Zoo Authority continues its effort to reconcile any pending Utilization Certificate (UC's) and settled all the UC's upto the current financial year except one UC of Rs. 2.56 lakhs from the CWLW, Jammu & Kashmir which would be taken up subsequently.

4.8 Publication of Annual Inventory of animals in Indian Zoos for the year 2020-21

The Central Zoo Authority, as part of its efforts to achieve transparency, better access, ease of operation, promote paperless functioning and enhanced utility of data in performance of functions assigned under Section 38-C of the Wild Life (Protection) Act, 1972, developed a web application titled "Zoo Management Information System (ZOO-MIS)", for the benefit of all stakeholders. For this purpose, unique accounts for all recognized zoos in the country have been created for entry and online submission of Annual and Quarterly inventory of animals as per Rule 11 under Recognition of Zoo Rules, 2009 through a secure portal. This was implemented during the financial year 2020-21.

As a result of restrictions because of COVID-19 and given the transition to digital submissions, the entry and submissions by the zoos are still being compiled. The consolidated inventory, following approval of the CZA, will be published on the official website.

5. Human Resource Development

5.1 Trainings, Seminars and Workshops

A. Refresher Training on Wildlife Health Management for Veterinary Professionals (23rd to 25th February 2021)

Wildlife conservation is more and more becoming a multidisciplinary team effort. Veterinarians are invaluable in a team and reciprocally they need to acquire a broad understanding of ecological and on-ground conservation issues in order to make meaningful contributions. Effective intervention is dependent on a concerted team effort based on knowledge of the species and their biology, preparedness, availability of requisite infrastructure and early response making Wildlife health a complex and technology driven subject. This requires ongoing theoretical and practical training of field veterinary officers. In this regard, a virtual program was organised from 23rd to 25th February.

The workshop content was created aimed at participants from the Animal Husbandry (veterinary) department/State Forest Department and zoos. The Central Zoo Authority hosted the said online training program through its dedicated CISCO Webex platform. The workshop had 101 nominations from field veterinary officers across 27 states and 2 union territories.

TOPICS COVERED

Refresher training (virtual mode) on wildlife health management for veterinary professionals (23-25 Feb 2021)	
23rd February 2021	
Name	Topic
Dr S P Yadav, Member Secretary Central Zoo Authority	Welcome Address
Shri Soumitra Dasgupta, Addl Director General, Wildlife Ministry of Environment, Forests and Climate Change	Special Address
Dr Devender Kumar, Evaluation and Monitoring Officer, Central Zoo Authority	Vote of Thanks
Dr Sonali Ghosh DIGF, Central Zoo Authority	<i>In-situ</i> and <i>Ex-situ</i> conservation and linkages to wildlife health management
Dr Dhananjai Mohan, Director, Wildlife Institute of India, Dehradun	Introduction to India's Biodiversity, Its conservation, and challenges
Dr Abhijit Pawde, Principal Scientist, Indian Veterinary Research Institute, Bareilly	Veterinary interventions in Wildlife Conservation
Dr Neeraj Khara, Team Leader- Human Wildlife Conflict Mitigation Project, GIZ	Collaborative opportunities for capacity building to address Human- Wildlife Conflict
Dr AK Sharma, Former HoD, Indian Veterinary Research Institute, Bareilly	Recent trends in Wildlife diseases
Dr Karthikeyan Vasudevan, Senior Principal Scientist Laboratory for the Conservation of Endangered Species (LaCONES)/ Centre for Cellular and Molecular Biology	Diagnosis of wildlife diseases including highly infectious diseases
Dr Karikalan M, Scientist, Indian Veterinary Research Institute, Bareilly	Emerging Diseases in Wild animal Health care Rabies, CDV, Babesiosis, Feline virus, COVID-19, etc.
24th February 2021	
Dr NVK Ashraf, Director Wild Rescue, Wildlife Trust of India	Wildlife welfare measures during rescue and rehabilitation
Dr Parag Nigam, Scientist F, Head, Dept of Wildlife Health Management, Wildlife Institute of India	Advancements in Wild Animal Immobilization & Restraint.
Wildlife health management - Discussion The participants were invited to share experiences	
Dr Kushal Konwar Sarma, HOD Veterinary Surgery and Radiology, College of Veterinary Science, Khanapara	Managing Mega herbivores- Rhino, Elephant, Wild Buffaloes, Gaur
Dr Jacob Alexander, Sr. Veterinary Officer, Zoological	Managing Carnivores- Big Cats, Wolf,

Garden, Thiruvananthapuram	Bear, etc.-
Dr Gowri Mallapur, Veterinary Consultant, Central Zoo Authority	Managing Exotics and Reptiles
25th February 2021	
Dr A B Shrivastav, Former Director School of Wildlife Forensics and Health. Nanaji Deshmukh Veterinary Science University, Jabalpur	Wildlife Forensics- latest developments
Dr Sindura Ganapathi, Visiting PSA fellow, Govt of India	One Health approach and role for wildlife health professionals
Dr A Sha Arun, Director – Research and Veterinary Operations Wildlife SOS	Handling Human Wildlife Conflict situation- Leopard, Monkeys, Elephant, Bear
Dr Parag Deka, Pygmy Hog Conservation Program	Biosecurity planning for Endangered species
Shri Prasenjit Navgire, CITES Cell, Wildlife Division MoEFCC	CITES and animals in captivity
Lakshminarasimha R, Scientific Officer, Central Zoo Authority	Scientific data management for captive animals
Shri Upamanyu Basu, Joint Secretary Department of Animal Husbandry and Dairying	Animal welfare as part of captive health management
Special Address: Ms. Tilottama Varma, Addl Director WCCB	Wildlife Crime- Call for Action
Valedictory	Feedback and Online distribution of Certificates

The three- day workshop concluded with a special address by Dr Sanjay Kumar, Director General of Forest and Special Secretary, MoEFCC. He spoke about the prominent role veterinarians play in the Human Wildlife Conflict mitigation strategies and the place veterinarians have in the changing demographic of humans, wildlife communities and people living in and around wildlife spaces. He also spoke about possible in-roads veterinarians can make in the marine ecosystem space especially with the Marine stranding policy.

B. National Zoo Keepers Training Programme on Captive Management of Reptiles in Indian Zoos at Indira Gandhi Zoological Park, Visakhapatnam - 15 to 17 March 2021.

The workshop was held in hybrid (online and in- person) mode. 85 participants from 41 zoos attended the workshop. Keepers from 4 zoos, Sri Chamarajendra Zoological Garden Mysuru; Gadag Zoo, Sri Venkateswara Zoological Garden, Tirupati and Indira Gandhi Zoological Park, Visakhapatnam (host) attended the workshop in person. The workshop was focused on reptiles and sessions included handling of animals in a safe and ethical manner, biological attributes, management of eggs for incubation and equipment used for the safe handling and marking of animals for identification. Teaching videos were created for each session and are available on the zoo website.

C. Regional Zoo Keeper Training Programme

1. The Central Zoo Authority in association with the Kanan Pendari Zoological Garden, Bilaspur, Chhattisgarh has organized a zoo keeper training programme for eastern region zoos in hybrid mode (in-person and virtual participation) from 9-12 February 2021. The programme covers various teaching lectures on zoo management, conservation breeding,

health and nutrition, animal enrichment, animal behaviour, record keeping etc., and hands-on training and field visit for the participants. 29 participants from 5 zoos of three states benefited from this training programme.

2. Similarly, the Central Zoo Authority in association with the Kamala Nehru Zoological Garden, Kankaria, Ahmedabad, Gujarat has also organized a zoo keeper training programme for western region zoos in hybrid mode (in-person and virtual participation) from 14-18 February 2021. The programme covers various teaching lectures on zoo management, conservation breeding, health and nutrition, animal enrichment, animal behaviour, record keeping etc., and hands-on training and field visit for the participants. In total 30 participants (15 in-person & 15 through virtual mode) from 10 zoos of three states benefited from this training programme.
- D. The members of the Technical Committee of the CZA agreed to the proposal for holding a two-day review meeting of the Vulture Conservation Breeding Programme at the Vulture Conservation Breeding Centre, Pinjore, Haryana. However, the same could not be organized due to prevailing pandemic Corona Virus (Covid 19) and will be organized in due course of time.
- E. Additionally, the Central Zoo Authority organized a series of webinars involving national and international experts on topics specific to zoo management. In total, the following eight webinars were held, and the recordings are made available for the public on CZA's YouTube channel
https://www.youtube.com/channel/UC9DQs7r_Ln34K5NdcFr0iBg.

a. Role of Indian zoos in achieving WAZA's Animal Welfare goals – June 20, 2020

Dr Martin Zordan, Chief Executive Officer, World Association of Zoos and Aquariums (WAZA) spoke about the goals of WAZA and how Central Zoo Authority and Indian zoo members are essential to achieve them.

b. Bringing back critically endangered species through ex-situ conservation - The story of Vultures – July 04, 2020

Dr Chris Bowden, Programme Manager, SAVE, Royal Society for The Protection of Birds (RSPB), UK & Dr Vibhu Prakash, Officer In-charge, Vulture Conservation and Breeding Centre, Pinjore.

The talk focused on the causes of vulture declines globally and across Asia and why ex-situ conservation continues to remain important.

c. BIOBANKING - The cutting-edge science for reducing extinction risk – July 18, 2020

Dr Oliver A. Ryder, Kleberg Endowed Director of Conservation Genetics at San Diego Zoo Global & Adjunct Professor of Evolution, Behavior, and Ecology, Division of Biology, University of California & Dr Karthikeyan Vasudevan, Senior Principal Scientist, Laboratory

for the Conservation of Endangered Species (LaCONES) Centre for Cellular and Molecular Biology, Hyderabad.

The talks emphasized on the role of emerging frontiers of ex-situ science such as San Diego Zoo's Frozen Zoo® and the National Wildlife Genetic Resource Bank at LaCONES-CCMB in species conservation.

d. Conservation Planning in Zoos – August 04, 2020

Dr Onnie Byers, Chair, Conservation Planning Specialist Group, SSC, IUCN & Ms Roopali Raghavan, Co-Convener, CPSG South-East Asia - Wildlife Reserve Singapore.

The session emphasized on the One Plan Approach (OPA) concept developed by the CPSG and a few success stories & highlight how WRS has used conservation planning to prioritise species as well as action to ensure a safe future for critically endangered species in zoos.

e. Conservation Designing for ex-situ facilities – August 16, 2020

Mr Erik van Vliet, Zoo Designer & Dr Rommel Mehta, Landscape Architect.

The session briefed how Education and Inspiration are central to zoo objectives, and a well-filled box of design tools is an important means in this endeavour. Zoo design is much more than trying to create an aesthetic environment suiting animal need. Immersion exhibits make it happen and credible immersion is not a matter of budget. With limited funding and also with a non-specialist local architect, a zoo can create the magic of immersion.

f. Enrichment for Animal Welfare – August 29, 2020

Ms Georgina Groves, Executive Director of Wild Welfare & Ms Avanti Mallapur, PhD, Curator at Micke Grove Zoo, San Joaquin County USA.

The session briefed about how good animal welfare is an ethical and economic imperative within the modern zoo. Animals in zoos should be afforded the opportunity to thrive and environmental and behavioural enrichment should play a significant role in the day to day care we provide them. The talks would focus on what animal welfare really means and how effective enrichment should be species focused and aiming to meet animal needs within three key areas of Physical and social comfort, Environmental Control and behavioural choice.

g. New frontiers of Veterinary care in Zoos - Sept 13, 2020

Dr Paolo Martelli, Chief Veterinarian of HongKong Ocean Park & Dr Budhan Pukazhenthil, Research Physiologist, Smithsonian Conservation Biology Institute.

The talks reviewed standard operating procedures veterinarians may follow when providing care for collection animals in zoos. Other objectives will also be to describe the roles and responsibilities of zoo staff in the care of animals and share insights into training the next generation of zoo veterinarians.

h. Capacity Building opportunities for Ex-situ Conservation - Sept 26, 2020

Mr. Jamie, Conservation Planning Specialist Group and Dr. Bitapi C Sinha

The talks focussed on the principles that we believe should underpin effective species conservation planning. And provide an overview of some of the training opportunities open to conservation organisations and their staff through CPSG.

5.2 International Cooperation

In 2019-2020, the Central Zoo Authority undertook an ambitious project to create a singular and comprehensive ten-year Vision Plan 2021-31 for Indian zoos. The aim of this document was to formulate a strategy for transformation of zoo management practices in the country and serve as a guiding document for Indian zoos to achieve an overall vision to function at par with global standards.

As a part of the Vision Plan, to bring about exchange of knowledge and practices, CZA facilitated one-on-one connection between select Indian zoos with International Zoos (similar to a sister zoo concept). A direct one-on-one collaboration was envisioned between the two zoos agreeable for the initiative for exchange of information and experiences. The collaborations were related to 6 broad areas of zoo functioning:

1. Capacity building
2. Resource generation
3. Zoo design and planning
4. Conservation Breeding
5. Sustainability
6. Technology enablement.

From the Central Zoo Authority's standpoint, this is a mentoring exercise to empower Indian zoos to explore possible international collaborations and to independently strengthen functioning to achieve goals of best practices in functioning.

1. Details of the Sister Zoo Collaboration

a. Key Steps for the process

#	Steps	Timeline *
	Official letters regarding the concept were drafted and sent by CZA Secretariat to 40 International Zoos to identify interest.	October 2020- January 2021
	CZA Secretariat organised 16 initial virtual meetings with 16 International Zoos. <i>Note: Only 16 International Zoos responded positively to the official letters sent in Step 1</i>	November 2020 -January 2021
	First Meeting between CZA and International Zoo- Brief presentation was made proposing the collaboration <ol style="list-style-type: none">a. An overview of the CZA and the Vision of CZA,b. Overview of the Sister Zoo Conceptc. Areas of collaboration based on 6 focus areas.d. Potential zoo(s) for collaboratione. Clarification on preliminary queries	November 2020 - January 2021

	Once the International Zoo consented to the collaboration, a second meeting was planned between the director and the team of the International Zoo and the director and team of the Indian Zoo.	November 2020 - February 2021
	Second Meeting- Brief presentation by the Indian Zoo team a. Key strengths and USP of the Zoo, b. Areas of collaboration based on 6 focus areas. c. Exchange of thoughts between International Zoo and Indian zoo on the possible collaboration.	December 2020 - February 2021
	When both the zoos had agreed with collaboration, a draft MoU was drafted.	January 2020 - February 2021
	MEA clearance on the MOU was obtained and further process between zoos initiated.	March 2021 - June 2021

2. Ministry of External Affairs clearance was received for the MoU to be signed by the zoos for the collaboration (ref: MEA ID No AA/Coord/551/01/21 dated 7 June 2021). This will enable the zoos to seek individual state clearances, if any, and move ahead with completion of formalities for the MoU with their international counterpart.

3. The details of the collaborations are presented in the table below:

Indian Zoo	International Zoo
Assam State Zoo cum Botanical Garden, Guwahati - Assam	National Zoological Garden Pretoria, South Africa
Arignar Anna Zoological Park, Chennai - Tamil Nadu	Wellington Zoo, New Zealand
Bhagwan Birsa Biological Park, Ranchi - Jharkhand	Yokohama Zoological Gardens, Japan
Indira Gandhi Zoological Park, Visakhapatnam - Andhra Pradesh	Parco Natura Viva, Italy
Nandankanan Zoological Park, Bhubaneswar - Odisha	Tierpark Berlin, Germany
Nawab Wajid Ali Shah Zoological Garden, Lucknow - Uttar Pradesh	Zoo Zlin, Czech Republic
M.C. Zoological Park, Chhatbir - Punjab	WRS Singapore
Nehru Zoological Park, Hyderabad- Telangana	Chester Zoo, UK
Sri Chamarajendra Zoological Gardens, Mysore - Karnataka	Toronto Zoo, Canada
Van Vihar National Park, Bhopal - Madhya Pradesh	Zoo Zurich, Switzerland
Padmaja Naidu Himalayan Zoological Park, Darjeeling - West Bengal	Prague Zoo, Czech Republic
Sanjay Gandhi Biological Park, Patna - Bihar	Zoo Miami, USA
Nandanvan Jungle Safari, Naya Raipur - Chhattisgarh	Dubai Safari Park, UAE
Machia Biological Park, Jodhpur - Rajasthan	The Living Desert Zoo and Gardens, CA, USA
Rajkot Zoological Park, Rajkot - Gujarat	Indianapolis Zoo, USA

6. Research & Education

During the current financial year, the Central Zoo Authority has approved the following research projects and outreach activities:

- 6.1 The Central Zoo Authority has approved the proposal for outreach and capacity building initiatives named “Vandalur Zoo - Jawahar Navodaya - CZA zoo ambassador program” using digital platform by the Arignar Anna Zoological Programme, Vandalur, Chennai, Tamil Nadu with the advice to expand the programme on the basis of the success achieved.
- 6.2 The Central Zoo Authority has approved the proposal for the “Development of a training manual with detailed curriculum” for zoo keepers in collaboration with the Environmental Education and Awareness division, The Energy & Resource Institute (TERI), Delhi.
- 6.3 The Central Zoo Authority has approved proposal for organizing the “Series of fortnightly Webinars” in collaboration with the Sri Chamrajendra Zoological Gardens, Mysuru, Karnataka as part of the outreach activities in the post pandemic phase, to reach out to zoo community using electronic means on topics of scientific interest.
- 6.4 The Central Zoo Authority has approved the financial assistance of Rs. 1. crores in the implementation of 10-year Vision Plan for and pilot projects in at least 3 zoos for the duration of 3 months.
- 6.5 The Central Zoo Authority has approved the Nagar Van project scheme submitted to National CAMPA.
- 6.6 The Central Zoo Authority has approved the proposal on conservation of chelonians subject to the prior consent of the concerned zoos may be obtained for the study and a collaborative approach may be adopted involving local forest department, WII and TSA, with CZA as the nodal agency.
- 6.7 Bharat ka Amrut Mahotsav - Commemoration of 75 Years of India’s Independence

The Central Zoo Authority approved the celebration of “Bharat ka Amrut Mahotsav Commemoration of 75 Years of India’s Independence” in order to wide spread the message of importance of nature conservation, wildlife in particular through organizing various outreach programmes by involving zoo and other stakeholders and the general public.
- 6.8 ZOOTOPIA - The Central Zoo Authority in collaboration with NITI Aayog-Atal Innovation Mission (AIM) organised a national level design competition (ZOOTOPIA-2021). The competition brief was to design an Interpretation Centre in an Indian zoo.
- 6.9 WASH - handbook for zoos and ecotourism sites in forest and wildlife areas

7. Publications

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

1. Economic valuation of ecosystem services of National Zoological Park, New Delhi.
2. *Ex-situ updates*- a quarterly Newsletter of the Central Zoo Authority (Vol.1, Issue II, 2020)".
3. *Ex-situ updates*- a quarterly Newsletter of the Central Zoo Authority (Vol.1, Issue III, 2020)".
4. *Ex-situ updates*- a quarterly Newsletter of the Central Zoo Authority (Double edition - Oct 2020-March 2021).
5. Management Effectiveness Evaluation Process of Indian Zoos (MEE-Zoo).
6. The publication of Annual "Inventory of animals in Indian Zoos 2020-21" is being compiled.

8. Policy Matter

In partial modification of the Guidelines for Establishment and Scientific Management of Zoos in India (2008) circulated vide Circular 26-2/2008-CZA(M) dated 25th August, 2008, the following revisions were implemented by the Central Zoo Authority. The rest of the Guidelines for Establishment and Scientific Management of Zoos in India (2008) remains unchanged.

8.1 The Central Zoo Authority vide Office Memorandum dated November 4, 2020 revised the uniform permissible limit of housing native wild animal species to (75%) and of non-native (i.e. exotics) to 25% species composition.

8.2 Similarly, the guidelines on stocking density of various crocodylian species in Indian zoos was revised vide Office Memorandum dated December 22, 2020.

8.3 The guidelines for housing Rhesus Macaque (*Macaca mulatta*) and Bonnet Macaque (*Macaca radiata*) in rescue centres was revised vide Office Memorandum dated February 11, 2021. The revised guidelines will be applicable to exclusive rescue centres and off-display areas of zoos housing the said species for long-term care. For other species of macaques, the extant guidelines of the Central Zoo Authority shall remain effective.

8.4 The Central Zoo Authority has issued an Advisory for mandatory compliance of statutory provisions pertaining to Rights of Persons with Disabilities (Divyangjan) in Zoos so as to ensure that Zoos become equally accessible for Persons with Disabilities (Divyangjan).

8.5 The Central Zoo Authority has instituted National Zoo Recognition awards for Rs. 25,000/ each (under 4 categories for Zoo Administrator, veterinarian, biologist and animal keeper) on an annual basis. It further opined that cash amount may be considered as token amount, and certificate of recognition along with a plaque (silver) may also be provided as part of the award.

8.6 The Central Zoo Authority taking cognisance of the Advisory regarding reporting mortalities of Scheduled animals (Sch.I and part II of Sch.II) by MoEFCC recommended to seek mortality report from the zoos of species listed in the schedules above within 24 hrs. of death as per CZA's prescribed post-mortem format through email.

8.7 The Central Zoo Authority has prescribed a format for submission of a report on admission of rescued animals by the zoo.

8.8 The Central Zoo Authority approved revision in the pattern of funding to provide 100% financial assistance to both coordinating and participating zoos which was earlier only to Coordinating Zoo. The purpose of the said revision is:

- a) To ensure optimal support to the coordinating zoos in creating “satellite populations” of species identified for planned conservation breeding.
- b) To facilitate an increase in the number of zoos taking up conservation breeding of endangered species.
- c) To facilitate an increase in the carrying capacity of the species in Indian zoos to ultimately maintain sustainable populations in captivity.
- d) The release of funding to coordination/participating zoos will be based on a scrutiny for compliance to CZA guidelines and quantitative assessment of the husbandry and breeding success of the target species by respective zoos.

8.9 Revision of zoo recognition and renewal fee

The Central Zoo Authority approved the revision of zoo establishment, recognition and renewal of recognition fee by amending Rule 4 of the RZR, 2009 with provision of review the same after 2 years interval. The process will be completed by the next financial year.

9. Financial assistance to Zoos

The Central Zoo Authority has received Grant-in-Aid of Rs. 7,19,26,392/- from the Ministry of Environment, Forest and Climate Change, Government of India during the financial year 2020-21. The Central Zoo Authority during the financial year 2019-20 and 2020-21 has also received an unspent balance of Rs. 18,87,247/- and Rs. 26,91,811/- respectively from the zoos which was provided as financial assistance to the Zoos in the past. Accordingly, the unspent balance of Rs. 18,87,247/- was adjusted by the Ministry from the Grant-in-Aid of the CZA in the reporting year, while Rs. 26,91,811/- was revalidated for the year 2020-21. Out of this total amount Rs. 7,65,05,450/- (Rs. 7,19,26,392/-+ Rs. 18,87,247/-+ 26,91,811/-), Rs. 7,50,00,000/- was utilized for improvement and development of the zoos (including North-Eastern Region), operational cost and establishment expenses. The entire grant released by the Ministry 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.

9.1 Improvement of zoos

During the financial year 2020-21, the Central Zoo Authority has released Rs.4,65,76,142 for improvement of zoos including the maintenance of the Rescue Centres, Conservation Breeding, Research & Trainings etc. as per the details given below:

Sl.	State	Name and location of the Zoo / Organization	Purpose	Amount in Rs.
1.	Andhra Pradesh	Indira Gandhi Zoological Park, Visakhapatnam		24,05,000
			Rescue & Rehabilitation	90,000
			Conservation Breeding Programme	10,25,000
			Training & Workshop	10,25,000
				2,26,500

		Sri Venkateshwara Zoological Park, Tirupati, Andhra Pradesh	Rescue & Rehabilitation	24,00,000
			Rescue & Rehabilitation	13,70,000
			Conservation Breeding Programme	9,34,000
2.	Assam	Assam Zoo -cum - botanical Garden, Guwahati	Conservation Breeding Programme	3,93,000
			Conservation Breeding Programme	3,99,000
3.	Bihar	Sanjay Gandhi Biological Park, Patna	Improvement of Zoo	20,70,000
4.	Delhi	"The Energy and Resources Institute", Delhi	Research	1,20,000
			Training & Workshop	1,27,440
			Training & Workshop	1,86,440
		National Informatics Centre Services Inc.	Improvement of Zoo	50,04,441
		National Informatics Centre Services Inc.	Improvement of Zoo	50,04,441
		National Informatics Centre Services Inc.	Improvement of Zoo	34,40,880
5.	Karnataka	Bannerghata Biological Park, Bengaluru, Karnataka	Rescue & Rehabilitation	6,14,000
6.	Madhya Pradesh	Van Vihar National Park, Bhopal, Madhya Pradesh	Rescue & Rehabilitation	10,15,000
			Rescue & Rehabilitation	10,15,000
7.	Manipur	Manipur Zoological Garden, Iroisemba, Imphal	Conservation Breeding Programme	4,56,000
			Conservation Breeding Programme	4,56,000
8.	Mizoram	Aizawl Zoological Park, Mizoram	Conservation Breeding Programme	9,15,000
			Conservation Breeding Programme	9,15,000
9.	Nagaland	Nagaland Zoological Park, Rangapahar, Dimapur, Nagaland	Conservation Breeding Programme	5,38,000
			Conservation Breeding Programme	9,43,000
10.	Punjab	M.C Zoological Park Chattbir, Punjab	Improvement of Zoo	1,68,000
			Improvement of Zoo	13,70,000
11.	Rajasthan	Nahargarh Biological Park, Jaipur	Rescue & Rehabilitation	2,39,000
			Rescue & Rehabilitation	2,39,000
12.	Sikkim	Himalayan Zoological Park, Gangtok, Sikkim	Conservation Breeding Programme	3,50,000
12.	Tamil Nadu	Arignar Anna Zoological Park, Chennai	Rescue & Rehabilitation	24,68,000
			Rescue & Rehabilitation	5,30,000
			Conservation Breeding Programme	8,43,000
			Conservation Breeding Programme	8,43,000
		Chennai Snake Park, Chennai, Tamil Nadu	Improvement of Zoo	7,80,000
13.	Telangana	Nehru Zoological Park, Hyderabad,	Conservation Breeding	45,000

		Telangana	Programme	
			Conservation Breeding Programme	12,68,000
		Laboratory for the Conservation of Endangered Species (<i>LaCONES</i>), CCMB, Hyderabad, Telangana	Research	19,05,000
14.	Uttar Pradesh	Indian Veterinary Research Institute, Bareilly, Uttar Pradesh	Research	11,21,000
		Kanpur Zoological Park, Kanpur	Improvement of Zoo	7,09,000
		Nawab Wazid Ali Shah Prani Udyan, Lucknow	Conservation Breeding Programme	6,10,000
TOTAL (Rs.)				4,65,76,142

9.2 Grants released to Rescue Centres

The Government of India banned the display of lions, tigers, leopards, bears and monkeys in the circus in India through a notification issued on 14th 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 facilities in the existing zoos of the country, it was felt to set up separate facilities 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 a facility has been set up. It is a life time care facility for these animals.

The Central Zoo Authority is continuously providing financial grants 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 standards and norms in this regard are being strictly followed.

Over the years, after setting up of these rescue centres, the animals have died due to natural process and at present the number of rescued lions and tigers from the circuses has come down to 41 and 8 respectively.

During the financial year 2020-21, the Central Zoo Authority has provided an amount of Rs. 1,23,85,000/- for upkeep, feed and medicine etc. to six Rescue Centres as per the details mentioned below: -

Sl.	Name and location of Rescue Centre	Amount in Rs.
1.	Indira Gandhi Zoological Park, Visakhapatnam	24,95,000
2.	Sri Venkateswara Zoological Park, Tirupati, Andhra Pradesh	37,70,000
3.	Van Vihar National Park, Bhopal, Madhya Pradesh	20,30,000
4.	Bannerghatta Biological Park, Bengaluru, Karnataka	6,14,000
5.	Arignar Anna Zoological Park, Chennai	29,98,000
6.	Nahargarh Biological Park, Jaipur	4,78,000
Total (Rs.)		1,23,85,000

10. Annual Accounts & Audits Report

The audit of the accounts of the Central Zoo Authority for the financial year 2020 – 21 is conducted by the Principal Director of Audit, Scientific Department of CAG, Government of India. Balance Sheet, Income & Expenditure Accounts, Receipt and Payment as on 31st March, 2021 with schedules are placed at **Annexure I & II**.

Annexure I

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
Name of Entity CENTRAL ZOO AUTHORITY			
BALANCE SHEET AS ON 31.03.2021			
			(Amount in Rs.)
CORPUS/CAPITAL FUND AND LIABILITIES	Schedule	Current Year	Previous Year
Corpus/Capital Fund	1	1,94,62,920.00	1,47,36,969.00
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	28,75,028.00	38,69,076.00
TOTAL		2,23,37,948.00	1,86,06,045.00
ASSETS			
Fixed Assets	8	85,86,555.00	54,81,980.00
Investments- From Earmarked/Endowment Funds	9	-	-
Investments- Others	10	-	-
Current Assets, Loans, advances Etc.	11	1,37,51,393.00	1,31,24,065.00
Miscellaneous Expenditure (to the extent not written off or adjusted)			
TOTAL		2,23,37,948.00	1,86,06,045.00
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
Name of Entity CENTRAL ZOO AUTHORITY			
INCOME & EXPENDITURE ACCOUNT			
FOR THE YEAR ENDED ON 31.03.2021			
			(Amount in Rs.)
INCOME	Schedule	Current Year	Previous Year
Income from Sales/Services	12		
Grants/Subsidies	13	7,65,05,450	7,91,86,361
Fees/Subscriptions	14	7,15,002	5,10,000
Income from Investments (Income on Investment from Earmarked/Endow.) Funds transferred to Funds	15	-	-
Income from Royalty, publication etc.	16	-	-
Interest Earned	17	4,81,505	12,000
Other Income	18	330	75,578
Increase/Decrease in stock of finished goods & Work-in-progress	19	-	-
TOTAL (A)		7,77,02,287	7,97,83,939
EXPENDITURE			
Establishment Expenses	20	1,52,60,367	1,72,59,614
Other Administrative Expenses etc.	21	1,34,06,085	1,01,68,034
Expenditure on Grants, Subsidies etc.	22	4,28,89,762	4,71,46,432
Interest	23	-	-
Depreciation (Net Total at the year-end - Schedule 8)	8	15,72,681	12,42,178
TOTAL (B)		7,31,28,895	7,58,16,258
Excess of Income over Expenditure (A-B)		45,73,392	39,67,681
Transfer to Special Reserve (Specify each)		-	-
Transfer to/from General Reserve		-	-
Balance Being Surplus Carried to Corpus/Capital Fund		45,73,392	39,67,681
Balance Being Deficit Carried to Corpus/Capital Fund		-	-
Significant Accounting Policies	24		
Contingent Liabilities and Notes on Accounts	25		

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
RECEIPTS AND PAYMENTS FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount in Rs.)

RECEIPTS	CURRENT YEAR	PREVIOUS YEAR	PAYMENTS	CURRENT YEAR	PREVIOUS YEAR
I. Opening Balances	-	-	1. Expenses		
(a) Cash in Hand	-	-	(a) Establishment Expenses (corresponding to Schedule 20)	1,40,17,152	1,69,34,184
(i) Imprest	15,000	15,000			
(b) Bank Balances	-	-	(b) Administrative Expenses (corresponding to Schedule 21)	93,50,093	54,83,119
(i) Savings accounts- State Bank of India	1,22,37,207	1,35,13,835			
(ii) In Saving accounts- Union Bank of India	-	-			
(iii) In current accounts	-	-			
II. Grants Received			II. Payments made against funds for various projects		
(a) From Government of India	7,19,26,392	7,80,00,000	(Name of the fund or project should be shown along with the particulars of payments made for each project)		
(b) From State Government	-	-			
(c) From other sources (details) - For SAAR Countries	-	-	(a) Grants-in-aid to Zoos	4,28,89,762	4,71,46,432
(Grants for capital & revenue exp. To be shown separately)	-	-	(b) Monitoring & Evaluation of Zoos	1,37,608	10,56,227
			(c) Research Projects	31,46,000	23,91,044

			(d) Training, Workshop Conference	7,78,815	16,53,947
III. Income on investments from			(e) Expenses on WAZA Conferences		
(a) Earmarked/Endow Funds			(f) Education & Awareness		
(b) Own Funds (Oth. Investment)			(g) Exgratia payment to closed mobile zoos		
IV. Interest Received			(h) Transportation of Animals		
(a) On bank deposits- State Bank of India	4,09,203	3,90,918	III. Investments & Deposits made		
(b) On bank deposits- Union Bank of India	96,075	-	(a) Out of Earmarked/Endowment funds		
(c) Loans, Advances etc.	94,500	12,000	(b) Out of own funds (Investments- Others)		
			IV. Expenditure on fixed Assets & capital work-in-progress		
			(a) Purchase of fixed assets	46,77,256	35,07,214
			(b) Expenditure on capital work-in-progress - Advance to NICSI		
V. Other Income (Specify)			V. Refund of surplus money/loans		
Fees received from Zoos with Application of Recognition	5,85,002	5,10,000	(a) to the Government of India	6,020	42,57,660
Fees received from Application under RTI	330	4,078	(b) to the State Government		
Seminar/Program fees /Expenses refundable	-	2,97,198	(c) to other providers of funds		
VI. Amount			VI. Finance	4,86,943	13,63,478

Borrowed	-	-	Charges (Interest)- (Bank interest refund)		
VII. Any other receipts (give details)			VII Other Payments (Specify)		
(a) Misc. Receipts	41,842	1,01,592	(a) Payment of TDS	27,85,436	9,72,392
(b) Unspent balance of Gr. In Aid refunded by Zoos	26,97,831	30,73,608	(b) Security Deposit (Released)	-	-
(c) Interest on Car/Scooter Adv.	-		(c) Amount adjustable (By other deptt.) - NBWL Meeting Exp.		
(d) Security deposit	-	-	(d) Staff advances	15,000	-
(e) Recovery of Advances	5,05,128	65,927	(e) Payment to other Deptt, (Recoveries from pay bills)	5,61,920	16,61,333
(f) Recovery of TDS	27,85,436	9,72,392	(f) Advance Payment for Purchases	-	-
(g) Staff Advance recovery	62,356	61,356	(g) Payment to PM CARE FUND	41,842	-
(h) License fee	-	-	(h) Payment to CPWD for Renovation	-	-
(i) Recovery from pay bills, adjustable by other Departments	5,61,920	16,61,333	(i) Payment to Prepaid Expenses	-	
(j) Sale proceed of assets	-	-	(j) Refund of Fees received from Zoos with Application of Recognition	-	-
(k) Unspent GIA	-	-	(k) Refund of Fees received from Application under RTI	-	-
(l) Remittance of Leave salary and pension contribution	2,08,926	-			
(m) Receipt for Expenses	-	-			

on behalf of other Organizations					
- Wild Life Week Celeb.	-	-			
- Reg. fee for WAZA	-	-			
(n) Expenses Reimbursable by MoEF	-	-			
(o) Remittance of Superannuation and PPF Contribution of Deputationist	-	-	VIII. Closing Balances		
(p) Refund of Telephone Security	-	-	(a) Cash in Hand		
			Imprest	15,000	15,000
			(b) Bank Balances	-	-
			(i) In Savings accounts- State Bank of India	1,33,16,243	1,22,37,207
			(ii) In Saving accounts-Union Bank of India	2,058	-
			(iii) current accounts	-	-
TOTAL	9,22,27,148	9,86,79,237	TOTAL	9,22,27,148	9,86,79,237

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)		
Name of Entity CENTRAL ZOO AUTHORITY		
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021		
		(Amount in Rs.)
	Current Year	Previous Year
SCHEDULE 1 - CORPUS/CAPITAL FUND:		
Balance as at the beginning of the year	1,47,36,969.00	1,21,32,766.00
Add: Contributions towards Corpus/CZA Fund	-	-
Add: Balance of net income- Transferred from the Income and Expenditure Account	45,73,392.00	39,67,681.00
Deduct: Balance of net income- Transferred from the Income and Expenditure Account	-	-
Less: Short/Excess Provisions / Prior Period Items	1,52,559.00	(13,63,478.00)
BALANCE AS AT THE YEAR - END	1,94,62,920.00	1,47,36,969.00

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount In Rs.)

	Current Year		Previous Year	
SCHEDULE 2 -RESERVES AND SURPLUS:				
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	-	-	-	-
TOTAL		-		-

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount In Rs.)

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	-	-	-	-	-	-
ii) Other Additions (specify nature)	-	-	-	-	-	-
TOTAL (a+b)	-	-	-	-	-	-
c) Utilization/Expenditure towards objectives of funds						
i) Capital Expenditure						
-Fixed Assets	-	-	-	-	-	-
-Others	-	-	-	-	-	-
Total	-	-	-	-	-	-
ii) Revenue Expenditure						
-Salaries Wages & Allowances	-	-	-	-	-	-
-Rent	-	-	-	-	-	-
-Others Administrative Expenses	-	-	-	-	-	-
TOTAL (c)	-	-	-	-	-	-
NET BALANCE AS AT THE YEAR END (A+B-C)	-	-	-	-	-	-

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 AT 31.03.2021

(Amount In Rs.)

	Current Year		Previous Year	
SCHEDULE 4 -SECURED LOANS AND BORROWINGS:				
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)		-		-
TOTAL		-		-
Note: Amount due within one year				

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount In Rs.)

	Current Year	Previous Year
SCHEDULE 5 -UNSECURED LOANS AND BORROWINGS:		
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)	-	-
TOTAL	-	-
Note: Amount due within one year		

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount In Rs.)

	Current Year	Previous Year
SCHEDULE 6 -DEFERRED CREDIT LIABILITIES:		
a) Acceptances secured by hypothecation of Capital equipment and other assets	-	-
b) Others	-	-
TOTAL	-	-
Note: Amount due within one year		

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity **CENTRAL ZOO AUTHORITY**

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 7 - CURRENT LIABILITIES AND PROVISIONS		
A.. CURRENT LIABILITIES		
1. Acceptances	-	-
2. Sundry Creditors:	-	-
a) For Good	-	-
b) Others (For WAZA Expenses)	-	1,47,000
3. Interest accrued but not due on	-	-
a) Secured Loans/borrowings	-	-
b) Unsecured Loans / Borrowings	-	-
4. Other current Liabilities- Interest earned from S/B A/C	50	3,70,440
(i) Unspent Grants-in-Aid	-	18,87,247
(ii) Unspent amount of Wild Life Week Celebration	-	5,559
(iii) Security Refundable	1,55,000	1,55,000
TOTAL (A)	1,55,050	25,65,246
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity & other terminal benefit	5,11,000	-
3. Superannuation/Pension	-	-
(i) Contribution to superannuation scheme	-	-
4. Vehicle Running Payable/other committed expenditure	11,230	13,572
5. Trade Warranties/Claims- Membership Fee Payable	-	-
6. Others (Specify) - Salary etc Payable	13,07,274	12,53,903
7. Telephone Charges Payable	3,236	4,029
8. Leave salary & Pension Contribution	7,65,828	-
9. TA Operational Payable	-	32,326
10. Audit Fees Payable	-	-
11. LTC Special Cash Package Payable	1,19,760	-
12. OTA Payable	1,650	-
TOTAL (B)	27,19,978	13,03,830
TOTAL (A+B)	28,75,028	38,69,076

NAME OF ENTITY: CENTRAL ZOO AUTHORITY
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2021

Schedule 8-
Fixed Assets

Amounts in Rs.

DESCRIPTION	GROSS BLOCK				DEPRECIATION					NET BLOCK			
	Cost/valu e at the beginning of the year (a)	Additions during the year (b)		Deducti ons during the year (c)	Cost/valu e at the year end (d)	Deprecat ion Rate % (e)	On assets beginni ng of the year (f)	On additions during the year (g)		On Deducti ons during the year (h)	Total Up to the year- end (i)	As at the end of curren t year (d - i)	As at the end of previo us year
		04/20- 09/20	10/20- 03/21				04/2 0- 09/2 0	10/20- 03/21					
Tangible Assets													
Computer/ peripherals	9,04,443	45,981	2,99,593		12,50,017	40	3,61,777	18,392	59,919	-	4,40,088	8,09,929	9,04,443
Furniture, Fixtures	13,04,605	-	10,05,565		23,10,170	10	1,30,461	-	50,278	-	1,80,739	21,29,431	13,04,605
Office equipment	10,67,756	-	3,37,975		14,05,731	15	1,60,163	-	25,348	-	1,85,511	12,20,220	10,67,756
Vehicle	13,08,957	-	-	-	13,08,957	15&30	3,68,830	-	-	-	3,68,830	9,40,127	13,08,957
Intangible Assets													
Website Development	-	14,21,790	14,21,790	-	28,43,580	25	-	-	-	-	-	28,43,580	-
Computer Software	8,96,219	50,563	93,999	-	10,40,781	40	3,58,488	20,225	18,800	-	3,97,513	6,43,268	8,96,219
TOTAL FOR THE CURRENT	54,81,980	15,18,334	31,58,922	-	1,01,59,236		13,79,719	38,617	1,54,345	-	15,72,681	85,86,555	54,81,980

YEAR													
PREVIOUS YEAR	32,44,656	1,90,046	33,17,168	27,712	67,24,158		6,96,897	28,507	5,27,859	11,085	12,42,178	54,81,980	32,44,656
Note: Rates of depreciation charged under Income-Tax Act as applicable from AY 2018-19 onwards as amended by Finance Act, 2020													

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount In Rs.)

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

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount In Rs.)

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

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 11 -CURRENT ASSETS, LOANS, ADVANCES ETC.		
A. CURRENT ASSETS:		
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 Deposit Accounts (includes margin money)		
- On Saving Accounts (Union Bank of India)	2,058	-
- On Savings Accounts (State Bank of India)	1,33,16,243	1,22,37,207
b) With non-Schedules Banks:		
-On Current Accounts	-	-
- On Deposit Accounts	-	-
- On Savings Accounts	-	-
5. Post Office-Savings Accounts	-	-
TOTAL (A)	1,33,33,301	1,22,52,207

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
B. LOANS, ADVANCES AND OTHER ASSETS:		
1. Loans:		
a) Staff	2,26,471	2,88,827
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	15,000	-
a) On Capital Account		-
b) Advance Payment for Purchases		-
Expenses Reimbursable by MOEF		-
Advance Payment to NISCI for Computer Software		-
Advance Payment to CPWD for Renovation		5,05,127
Petrol Account	15,000	15,000
Prepaid Expenses		-
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) Interest accrued	6,890	8,610
4. Claims Receivable- Fee for Recognition of Zoos	1,30,000	-
5. Stock of Stationery & Postage	24,731	54,294
TOTAL (B)	4,18,092	8,71,858
TOTAL (A + B)	1,37,51,393	1,31,24,065

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT
FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount In Rs.)

	Current Year	Previous Year
SCHEDULE 12 -INCOME FROM SALES/SERVICES		
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)	-	-
TOTAL	-	-

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT
FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 13 - GRANTS/SUBSIDIES		
(Irrevocable Grants & Subsidies Received)		
1. Central Government	7,19,26,392	7,80,00,000
2. State Government(s)	-	-
3. Government Agencies	-	-
4. Institutions/Welfare Bodies	-	-
5. International Organisations	-	-
6. Others (Specify) - - Grant from SAARC	-	-
Total	7,19,26,392	7,80,00,000
Unspent balance of last years received from zoos	18,87,247	-
Unspent balance of Gr. In Aid refunded by Zoos revalidated during the year 2020-21	26,91,811	11,86,361
	7,65,05,450	7,91,86,361

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT
FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 14 - FEES/SUBSCRIPTIONS		
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	7,15,002	5,10,000
TOTAL	7,15,002	5,10,000

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT
FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount In Rs.)

SCHEDULE 15 - INCOME FROM INVESTMENTS: (Income on Invest. From Earmarked/ Endowment Funds transferred to Funds)	Investment from Earmarked Fund		Investment - Others	
	Current Year	Previous Year	Current Year	Previous Year
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)	-	-	-	-
TOTAL	-	-	-	-
TRANSFERRED TO EARMARKED/ ENDOWMENT FUNDS	-	-		

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

(Amount In Rs.)

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

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT
FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount In Rs.)

	Current Year	Previous Year
SCHEDULE 17 -INTEREST EARNED ON TERM DEPOSITS/SAVING ACCOUNTS/LOAN		
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	-	
b) With Non-Scheduled Bank	3,87,005	-
c) Post Office Saving Account	-	-
d) Others	-	-
3.On Loans:		
a) Employees/Staff	94,500	12,000
b) Others	-	-
4. Interest on Debtors and Other Receivables	-	-
TOTAL	4,81,505	12,000

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT

FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 18 - OTHER INCOME		
1. Profit on Sale/disposal of Assets:	-	-
a) Owned Assets	-	-
b) Assets acquired out of grants, or received free of cost	-	-
2. Export Incentives realized	-	-
3. Fees for Miscellaneous Services (RTI)	330.00	4,078
4. Miscellaneous Income	-	71,500
Total	330.00	75,578

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT

FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount In `)

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

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD/YEAR ENDED 31.3.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 20 - ESTABLISHMENT EXPENSES		
a) Salaries and Wages	1,26,98,906	1,51,14,105
b) Allowances and Bonus	-	2,96,869
c) Contribution to Provident Fund	1,07,656	1,03,253
d) Contribution to Other Fund (specify)		
Superannuation Scheme	6,40,270	5,33,485
e) Staff Welfare Expenses	6,25,873	5,27,349
f) Expenses on Employees' Retirement & Terminal Benefits	5,11,000	-
		-
g) Others (specify)-LTC Cash Package	1,19,760	25,000
Leave Salary & Pension Contributions	5,56,902	6,59,553
TOTAL	1,52,60,367	1,72,59,614

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE
FOR THE PERIOD / YEAR ENDED 31.03.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 21- OTHER ADMINISTRATIVE EXPENSES ETC		
a. Purchases (Stationary)	3,66,494	2,65,817
b. Conveyance and Cartage	5,590	1,07,239
c. Repairs and maintenance (General + Computer)	4,130	41,534
d. Vehicles Running Expenses	3,70,866	93,270
e. Vehicles Maintenance	71,298	1,83,094
f. Postage, Telephone and Communication Charges	73,824	1,07,621
g. Printing, Publication and Periodicals	9,97,972	1,26,069
h. Travelling Expenses	1,81,342	32,73,561
i. Legal & Professional Expenses	1,11,340	95,169
j. Hospitality Expenses	1,16,871	1,43,270
k. Advertisement and Publicity	93,125	3,93,421
l. Audit Fees	-	2,60,967
m. Others (specify) Salary Outsourced staff	65,27,828	-
n. Bank Charges	3,897	8,415
o. Other Expenses#	21,629	37,598
p. Membership fees	4,29,782	2,39,137
q. Rent, Rates & Taxes	-	-
r. Deficit on sale of unusable assets/Disposal of Assets	-	-
s. Repairs and maintenance of Building	-	21,475
Total (I)	93,75,988	53,97,657
II. Payments Against Various Projects		
Expenses on Training, Workshop & Conferences	7,78,815	13,56,749
Expenses on WAZA Conferences		-
Expenses on Research Projects	31,46,000	23,25,075
Monitoring & Evaluation of Zoos	1,05,282	10,88,553
Ex-Gratia Payment to closed Mobile Zoos	-	-
Transportation Of Animals	-	-
Total (II)	40,30,097	47,70,377
III. Unspent balance of GIA refundable to Ministry	-	-
TOTAL (I+II)	1,34,06,085	1,01,68,034

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF INCOME & EXPENDITURE

FOR THE PERIOD/YEAR ENDED 31.3.2021

(Amount in Rs.)

	Current Year	Previous Year
SCHEDULE 22- EXPENDITURE ON GRANTS, SUBSIDIES ETC.		
a. Grant given to Institutions/Organisations		
Grant released to various zoos	4,28,89,762.00	4,71,46,432.00
Unspent grants-in-aid refundable to ministry		-
b. Subsidies given to Institutions/ Organisations	-	-
TOTAL	4,28,89,762.00	4,71,46,432.00

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
Name of Entity CENTRAL ZOO AUTHORITY
SCHEDULES FORMING PART OF INCOME & EXPENDITURE ACCOUNT
FOR THE PERIOD/YEAR ENDED 31.03.2021

(Amount In `)

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

FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

Name of Entity CENTRAL ZOO AUTHORITY

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31.03.2021

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 31.03.2021

SCHEDULE 25-CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

1 Contingent Liabilities

Claims against the Entity not acknowledged as debts – NIL (Previous year NIL).

2 Capital Commitments

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

3 Current assets, Loans and Advances

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

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

5 Schedule 1 to 25 annexed form an integral part of the Balance Sheet as at 31st March, 2021 and the Income and expenditure Account for the year ended on that date.

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

7 The Depreciation on the fixed assets were levied at the rates prescribed under Income Tax Act, 1961 as amended from time to time. "Development of Website" is created under Fixed Assets-intangible assets on audit instance. However, depreciation could not be provided under this scheme as the website could not be created in the current financial year.

8 Unspent Grant from the Zoos shown Schedule-7 "Current Liabilities" for Rs. 18,87,247/- pertained of the year 2019-20 has been transferred to the Schedule-13 - Grants/Subsidies (Irrevocable Grants & Subsidies Received) in the current financial as the grant-in-aid receivable from the Ministry is adjusted against this fund. The interest earned from the Grant-in-Aid of the CZA deposited in the Corporation Bank has been transferred to the PAO, MoEF&CC during the current financial year.

कार्यालय महानिदेशक लेखापरीक्षा
पर्यावरण एवं वैज्ञानिक विभाग, नई दिल्ली-110 002

DGA/SD/EA/185/SAR/CZA /2021-22 /695

दिनांक:

सेवा में,

25 NOV 2021

Dr. S. P. Yadav,

Member Secretary,

Central Zoo Authority, MOEF & CC

6th floor, Pandit Deendayal Antyodaya Bhawan, CGO Complex,

Lodi Road, New Delhi-110003

विषय: SAR on the accounts of Central Zoo Authority for the year 2020-21

महोदय,

मुझे वर्ष 2020-21 के लिए Central Zoo Authority का पृथक लेखापरीक्षा प्रतिवेदन अग्रेषित करने का निर्देश हुआ है।

संसद के दोनों सदनों में प्रस्तुत करने से पहले वर्ष 2020-21 के वार्षिक लेखों को संस्थान के शासी निकाय द्वारा अनुमोदित किया/अपनाया जाए तथा इस संबंध में शासी निकाय द्वारा जारी किया गया रेजोल्यूशन 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।

भवदीया,

संलग्नक:- पृथक लेखापरीक्षा प्रतिवेदन

निदेशक पर्यावरण
29/11/21

**Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of
Central Zoo Authority, New Delhi for the year ended 31 March, 2021**

We have audited the attached Balance Sheet of Central Zoo Authority (CZA), New Delhi, as at 31st March 2021, Income & Expenditure Account and Receipts & Payments Account for the year ended on that date under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 38E of the Wildlife (Protection) Act, 1972. These financial statements are the responsibility of the CZA's management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India (CAG) on the accounting treatment only with regard to classification, in 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, evidence 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 38E 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

1. Assets

1.1 Fixed Assets (Schedule - 8) Rs. 85.86 lakh -

Above includes an amount of Rs. 28.43 lakh on account of two payment of Rs. 14.21 lakh each made for development of website from NICSI empanelled firm Velocis Systems Pvt. Limited against work order dated 15th September 2020.

CZA capitalized the intangible assets-website development during the year 2020-21. However, User Acceptance Testing (UAT) was done on 12th May 2021 and website Go live was yet to be done. Hence, the intangible assets should have been shown as capital work-in-progress instead of intangible Assets-website development. Thus, this resulted in overstatement of intangible assets and understatement of work-in-progress each by Rs. 28.43 lakh.

(B) Income & Expenditure Account

Nil

(C) Grants-in-Aid

CZA received grant in aid of Rs. 719.26 lakh during the year and it had unspent balance of grant of previous year amounting to Rs. 45.79 lakh Out of the total grant of Rs. 765.05 lakh, CZA could utilised a sum of Rs. 719.32 lakh leaving a balance of Rs. 45.73 lakh as unutilised grant as on 31 March 2021.

(D) General

1. CZA has neither made any provision for retirement benefits nor any accounting policy for the same has been disclosed in the Schedule of Significant accounting policies in contravention of Accounting Standard 15 issued by ICAI and Uniform Format of Accounts prescribed by Ministry of Finance.

(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.

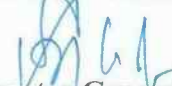
(A) Scrutiny of records revealed that CZA did not make any provision for 'Audit Fee' for the year 2020-21 in Schedule-7 'Current Liabilities and Provisions' of the accounts.

(v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and 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 the other matters mentioned in Annexure to this Audit Report give true and fair view in conformity with accounting principles generally accepted in India.

- (a) In so far as it related to the Balance Sheet, of the state of affairs of the CZA, as at 31 March 2021,
- (b) In as far as it related to Income and Expenditure Accounts, of surplus for the year ended on that date.

For and on behalf of the C&AG of India



Director General of Audit

(Environment & Scientific Departments)

Internal Audit/ Control System

1. Adequacy of Internal Audit System

CZA is audited by the Internal Audit Wing of MoEF&CC. Last internal audit of CZA was conducted in February, 2021 for the period of 2017-20.

2. Adequacy of Internal control system

2.1 Rules 3, 4 and 8 of Recognition of Zoo Rules 2009 provide for recognition of zoo under section 38 H of the Act for which a fee of ₹ 10,000/- through DD or Postal Order is required to be paid along with the application and for renewal of recognition for which an application is required to be made 3 months prior to the expiry of the period and fee payable for renewal would be ₹ 5,000/-.

During the scrutiny of records of CZA, it was observed that payments received from various zoo authorities on account of the recognition/ renewal before/after the expiry of validity period, were booked by CZA in its receipt book. CZA, on every RTGS/NEFT payments received through banks also took in the receipt book. In this regard, the following were observed: -

(i) Some of these receipts were booked from unknown sources and have been included in fees received from zoos. Since, the source of money received could not be traced, the actual details of the fees pertaining to particular zoo and validity period could not be reconciled by CZA itself.

(ii) As per the details provided by Technical Division of CZA, payments amounting to ₹ 5,75,000/- were received from 61 number of zoos and payments amounting to ₹ 1,30,000/- were due from 13 number of zoos totaling to ₹ 7,05,000. But as per Income and expenditure account, fee received/receivable is shown as ₹ 7,15,002/-. Thus, there is a difference of ₹ 10,002 which needs to be reconciled under intimation to audit.

(iii) Further, as per Office Memorandum of CZA dated 25.08.2021, a total of 85 numbers of zoos were renewed in its 96th Meeting of technical committee held on 30th July 2020. Hence, fee received/receivable should be ₹ 8,15,002/- (₹ 7,15,002 + ₹ 1,00,000) for the year 2020-21 instead of shown as ₹ 7,15,002/-.

Hence, in absence of proper internal control system for reconciliation of zoo-wise and validity period-wise receipts, audit is unable to verify the actual fees received/receivable from the renewal/recognition of zoos during the year 2020-21.

2.2 Deficiencies in vouchers

The following deficiencies were noticed in the vouchers for the FY 2020-21 after scrutiny by audit: For payments made to various parties, CZA had been preparing vouchers in the format of GAR 29-Fully Vouched Contingent Bill. No vouchers were made, instead bills itself treated as vouchers

in respect of payments made to CZA staff on account of T.A. bill, LTC bill etc. Thus, the basic principle of preparing vouchers for each receipt/payment is not being followed.

2.3. System of Physical Verification of Library books

Scrutiny of library records along with file of physical verification of records for the year 2020-21 revealed that as per physical verification of library books 41 Nos. books amounting to ₹ 20,399/- were found missing. The physical verification was completed till 30th April 2021. However, no further action was taken by the CZA to write-off these losses after due investigation as per the GFR Rule 215

3. System of physical verification of inventory

The physical verification of consumable and non-consumable items has been conducted up to March 2021.

4. System of physical verification of Assets

The physical verification of assets has been conducted up to March 2021.

5. Regularity in payment of statutory dues

During scrutiny of records, it was observed that CZA is regularly deducting TDS from the vendors @ 2% but not submitting its monthly return online on the GST portal. However, CZA is regular in payment of other statutory dues.

Director (EA)





SANJAY KUMAR JHA
DIRECTOR GENERAL

महानिदेशक लेखापरीक्षा
पर्यावरण एवं वैज्ञानिक विभाग
ए.जी.सी.आर.भवन, इन्द्रप्रस्थ एस्टेट,
नई दिल्ली-110002

**DIRECTOR GENERAL OF AUDIT
ENVIRONMENT & SCIENTIFIC DEPARTMENTS
A.G.C.R. BUILDING, I.P. ESTATE
NEW DELHI-110002**

DGA (SD)/EA/SAR/CZA/2020-21/ 698

Dated:

Dear Dr. Yadav,

25 NOV 2021

I have audited the annual accounts of Central Zoo Authority, New Delhi for the year 2020-21 and have issued the Audit Report thereon vide letter dated 25.11.2021, During the course of audit, some deficiencies were noticed (as per Annexure 'A') which are of a relatively minor nature and were, therefore, not included in the audit report. These are being brought to your notice for remedial and corrective action.

Encl. As above

with warm regards.

Yours sincerely,

डा० एस.पी यादव,
सदस्य सचिव,
केन्द्रीय चिड़ियाघर प्राधिकरण,
वन पर्यावरण एवं जलवायु परिवर्तन मंत्रालय,
वी. विंग, 6 मंज़िल, पर्यावरण भवन, सी.जी.ओ. परिसर,
लोधी रोड, नई दिल्ली -110003

Material for Management Letter

1. An amount of Rs. 1,61,377/- paid in advance to WAZA, Barcelona was not booked under current Assets, loan and advances. Thus, this has resulted in understatement of current assets and liability each by Rs. 1,61,377/-.
2. Ten items of CZA were under issue from 01.05.2020 to 27.07.2021 to CZA staff and employees for work from home without any office order. Out of these 10 items, one HP Printer and one HP Computer Pro One 400 were issued in May 2020 to Shri R.S. Rawat, F.O., CZA and one HP laptop each were issued to Smt. Natasha (Technical Assistant) and Sh. Pradeep (PS) in June & July, 2021 respectively. It has been noticed that one Desktop Computer, two Laptops and one printer were not found physically in CZA office. These four items were neither returned by them nor physically available in CZA office. Hence, the Computer Peripheral items were not verifiable.
3. Payment amounting to ₹ 18,000/- was made to Shri Surender Singh (voucher no. 285/2020-21/CZA dated 08/03/2021) on account of providing his services for data entry work without production of GST bill by service provider.
4. CZA did not make any provision for 'Audit Fee' for the year 2020-21 in Schedule-7 'Current Liabilities and Provisions' of the accounts.

Director (EA)





Central Zoo Authority
केन्द्रीय चिड़ियाघर प्राधिकरण



CENTRAL ZOO AUTHORITY

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