

Vulture Conservation Breeding Centre, Pinjore, Haryana
Annual Report
1st April 2021 - 31st March 2022



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An Oriental White-backed vulture nestling in nursery aviary at the centre

1. Report of the Officer-in-charge

The Vulture Conservation Breeding Centre, Pinjore, located at Jodhpur village on the edge of the Bir Shikargaha Wildlife Sanctuary is a collaborative project of the Forest and Wildlife Department, Haryana and Bombay Natural History Society. The centre was established to save the three Critically Endangered Gyps species of vultures viz. Oriental White-backed vulture *Gyps bengalensis*, Long-billed vulture *Gyps indicus* and Slender-billed vulture *Gyps tenuirostris*, from looming extinction. The main objective of the centre is to house and breed 25 pairs of each of the three species and release 100 pairs of each of the species, within ten years from the beginning of the release programme. The release programme was initiated during 2015-16.

The centre has a Governing Council which is chaired by the Addl. Chief Secretary, Department of Forests and Wildlife, Government of Haryana. The PCCF and Chief Wildlife Warden, Haryana is the Member Secretary.

a. Vultures at the centre

The highest number of vultures anywhere in the world were housed at the Jatayu Conservation Breeding Centre. There were 392 vultures including the nestlings of this year (2022) which have successfully hatched and fledged.

There were 134 Oriental White-backed vultures (OWBV), 206 Long-billed vultures (LBV) and 52 Slender-billed vultures (SBV) housed at the centre.

b. Breeding at the centre

Successful breeding at VCBC Pinjore was first observed in 2008 and intensive breeding by artificial incubation was taken up in 2010, double clutching in 2011 and chick swapping in 2014 as a result of which VCBC Pinjore has hatched and fledged over 300 plus vulture nestlings between 2010 to 2022.



An Oriental White-backed vulture nestling in nursery aviary

However, in the year 2021-22 due to fund crunch, artificial incubation could not be carried out and hence no double clutching could be stimulated. Breeding on nests continued and only the first clutch hatched and fledged as a

result of which only 14 eggs hatched till 31st March 2022 unlike previous years when number of chicks produced was between 35-49.

The breeding season of vultures commenced from the month of September, just as it would in the wild. The established pairs in the colony aviaries were observed defending their nest ledges and remained perched together most of the time. During the year 2020-21, all the three species attempted breeding at the centre. A total of 21 nestlings hatched and fledged of which there were 13 LBV and 8 OWBV. However, this the duration of this report on 14 had fledged.

c. The team

The Chief Wildlife Warden, Haryana was the Project Leader of the Programme. Dr. Vibhu Prakash was the Project Manager and was assisted by Ms. Nikita Prakash, Scientist 'C', Dr. Debasish Saikia Veterinarian, Mr. Lalit Sharma, Technical assistant, Mr. Niranjana Dalej, Administrative Officer, Mr. Balakram Sharma, Administrative Assistant, Ms. Palak Thakur, Accounts Assistant, and Mr. Jaikishan Sharma, Supervisor. There were six vulture keepers and one driver cum vulture keeper to assist in the smooth functioning of the centre.

This report covers the period from 1st April 2021 to 31st March 2022.

Vibhu Prakash, Ph.D.
Officer-in-charge
Vulture Programme



A view of a colony aviary at the centre

2. History of the Rescue Centre

The Vulture Conservation Breeding Centre is a joint project of the Bombay Natural History Society and the Haryana Forest Department. It is a collaborative initiative of a Government agency and a Non-Governmental Organisation, to save the three species of vultures, the Oriental White-backed, Long-billed and Slender-billed, from looming extinction.

The VCBC, earlier known as Vulture Care Centre, was established in September 2001 with the UK Government grant of the Darwin Initiative for the Survival of Species, to investigate the dramatic declines in India's *Gyps* species of vultures. The centre was inaugurated in the year 2003 by the British Minister for Nature, Mr. Elliot Morley.

Subsequent to the release of the South Asia Vulture Recovery Plan in February 2004, the centre was renamed Vulture Conservation Breeding Centre (VCBC) as conservation breeding became the main objective of the centre.

The centre was recognised as a rescue centre for vultures in the year 2007 by the Central Zoo Authority. The centre was renamed Jatayu Conservation Breeding Centre following the decision taken in the 6th Governing Council meeting of the centre.

The centre is situated at the base of the Shivalik ranges of Himalayan foothills. It lies on the outskirts of the Bir Shikargaha Wildlife Sanctuary, 8 km from Pinjore, off the Chandigarh-Shimla highway. It spreads over 5 acres of Haryana Forest Department's land in village Jodhpur. The centre is ideally located away from human habitations, and yet is easily accessible from the main city so the day-to-day requirements of the centre can be easily organised.

3. Vision

To become a living example of saving critically endangered bird species from extinction with ex-situ conservation programme.



4. Mission

To release 100 pairs each, of the three species of vultures, in the next fifteen years, to establish and secure viable wild populations of resident *Gyps*, in an environment free of diclofenac and other poisons.

5. Objectives

- To establish a founder population of 25 pairs of each of the three endangered vulture species



viz. Oriental White-backed vulture, Long-billed vulture and Slender-billed vulture.

- To produce a population of at least 200 birds of each of the three species, to be reintroduced in the wild.

- To rescue injured wild resident *Gyps* vultures

and include them in the ongoing conservation breeding programme after recovery.

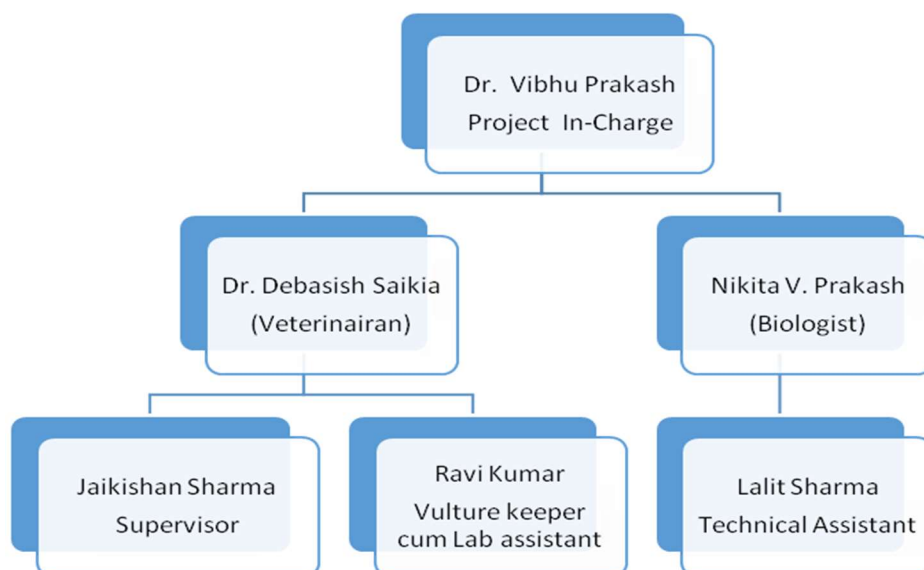
6. About us

S.No.	Particulars	Information
Basic Information about the Rescue Centre		
1	Name of the Rescue Centre	Vulture Conservation Breeding Centre
2	Year of Establishment	2007
3	Address of the Rescue Centre	B-3, Forest Complex, Pinjore 134102, Haryana
4	State	Haryana
5	Telephone Number	+91 9416044924
6	Fax Number	NA
7	E-mail address	v.mathur@bnhs.org
8	Website	www.bnhs.org
9	Distance from nearest	Airport: approx. 30km from Chandigarh International Airport
		Railway Station: 15km from Kalka Railway Station
		Bus Stand: 10km from Pinjore Bus Stand

S.No.	Particulars	Information
10	Recognition Valid up to (Date)	19 th August 2021. Evaluation of the centre was done on 21 & 22 August 2021
11	Area (in Hectares)	2.0234282
Management Personnel of the Rescue Centre		
12	Name with designation of the Officer in-charge	Vibhu Prakash, Ph. D. Principal Scientist/Deputy Director
	Name of the Veterinary Officer	Dr. Debasish Saikia, B. V. Sc.
	Name of the Curator	Nikita V. Prakash
	Name of the Biologist	Nikita V. Prakash
	Name of the Compounder/ Lab Assistant	Ravi Kumar and Manohar Lal
Owner / Operator of the Rescue Centre		
13	*Name of the Operator	Chief Wildlife Warden, Haryana
14	Address of the Operator	Haryana Forest Department, C-18, Van Bhavan, Sector 6, Panchkula 134109, Haryana
15	Contact details/Phone number of Operator	0172-2561224
16	E-mail address of Operator	pccfwlhry@gmail.com



7. Organizational Chart of the Rescue Centre



8. Human Resources deployment for management of Rescue Centre (Officer in-charge to Animal Keeper - Sanctioned posts, in-position and vacant posts)

Human Resources of the Rescue Centre*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1.	Officer in-charge	1	Vibhu Prakash
2.	Veterinarian	1	Debasish Saikia
3.	Curator	1	Nikita V. Prakash
4.	Technical Assistant	1	Lalit Kumar
5.	Supervisor	1	Jaikishan Sharma
6.	Vulture Attendants	6	Tek Singh, Ravi Kumar, Devidutt Sharma, Manohar Lal, Sukhdev, Ved Prakash,
7.	Driver cum vulture attendant	1	Rakesh Kumar
8.	Night watchman	1	Prakash Chand

*Please give above mentioned information in respect of all Rescue Centre personnel, from the Officer in-charge up to the Animal Keeper.

9. Capacity Building of Rescue Centre personnel

Sl.No.	Name and designation of the Rescue Centre personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	None	None	None	None
2.	None	None	None	None

10. Rescue Centre Advisory Committee

a. Date of constitution: 2nd May 2006

Members: The following are the members of the Governing Council

- I. Addl. Chief Secretary, Health and Family welfare, Govt. of Haryana, Chandigarh
- II. Principal Chief Conservator of Forests, Van Bhawan, Plot no. C-18, Sector 6, Panchkula
- III. Addl. Director General (Wildlife), Govt. of India, Ministry of Environment, Forests & Climate Change, New Delhi.
- IV. The Member Secretary, MoEF&CC, Central Zoo Authority, B-1 Wing, 6th Floor, Pt. Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi-110003.
- V. The Director, Wildlife Institute of India, Chandrabani, Dehradun.
- VI. Drug Controlling Authority, SCO 94, Sector 5, Panchkula.
- VII. Director, Animal Husbandry, Pasu Dhan Bhawan, Ways no. 9-12, Sector 2, Panchkula.
- VIII. Director, Bombay Natural History Society, Hornbill House, Shaheed Bhagat Singh Road, Mumbai.
- IX. Vice Chancellor, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar, Haryana.
- X. Dr. Vibhu Prakash, Principal Scientist & Dy. Director, BNHS, Vulture Conservation Breeding Centre, B-3, Forest Complex, Pinjore, Haryana.

b. Dates on which Meetings held during the year: 13th Governing Council meeting was held on 31st August 2021.

11. Health Advisory Committee of the Rescue Centre

a. Date of constitution: Not formally constituted but since inception, 2004, the following committee supervises the health of birds

b. Members: Centre in-charge, Centre Veterinarian, Chief Veterinary Officer of Zoological Society of London (ZSL)

c. Dates on which Meetings held during the year: Annual health check conducted 25-26 January 2022

12. Statement of income and expenditure of the Rescue Centre

Expense statement of Vulture Conservation Breeding Centre, Pinjore, Haryana, April 2021 to 31 March 2022

A budget of Rs. 541.27 Lakhs for the Vulture Conservation Breeding and Reintroduction was submitted to MoEF&CC but only Rs. 103.23 Lakhs were received by the Vulture Centre, though the total amount sanctioned by the MoEF&CC was Rs. 412.92 Lakhs. The sanction of Rs. 103.23 Lakhs was also received towards the end of the financial year. This grant received from MoEF&CC was not even sufficient for the Vulture food at the centre which came to Rs. 226.5 Lakhs after providing the minimum possible amount to the 378 vultures housed at the

centre. Therefore, only minimum essential activities such as Annual Health Check of the vultures and biannual cleaning of the aviaries could be performed. Nevertheless, best efforts were put in to manage with the available resources so that the birds stayed healthy and the breeding season was successful.

13. Daily food Schedule of animals

Twice a week provision of Food for Vultures at VCBC, Pinjore, Haryana



Sl.No.	Species	Feed item	Quantity/ vulture		Day of fasting
			Winter	Summer	
1.	Oriental White-backed vulture	Goat meat	4kg	4kg	Fed twice a week on Mondays and Fridays
2.	Long-billed vulture	Goat meat	4kg	4kg	Fed twice a week on Mondays and Fridays
3.	Slender-billed vulture	Goat meat	4kg	4kg	Fed twice a week on Mondays and Fridays

14. Vaccination Schedule of animals

Sl. No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks
	-	-	-	-	No vaccination has been done till now although the centre would like to vaccinate its birds against avian influenza but permission to import the vaccines could not be obtained.

15. De-worming Schedule of animals

Sl. No.	Species	Drug used	Month
1.	Oriental White-backed vulture	No de-worming is done but endoparasite load is monitored by routine faecal sample analysis. This is because the birds have to be reintroduced in the wild.	NA
2.	Long-billed vulture	Do	NA
3.	Slender-billed vulture	Do	NA

16. Disinfection Schedule

Sl. No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1.	Oriental White-backed vulture	Incubator and brooder rooms, Nursery, holding, colony aviaries	Lime and F10	Once in 15 days
2.	Long-billed vulture	Incubator and brooder rooms, Nursery, holding, colony aviaries	Lime and F10	Once in 15 days
3	Slender-billed vulture	Incubator and brooder room, Nursery, holding, colony aviaries	Lime and F10	Once in 15 days

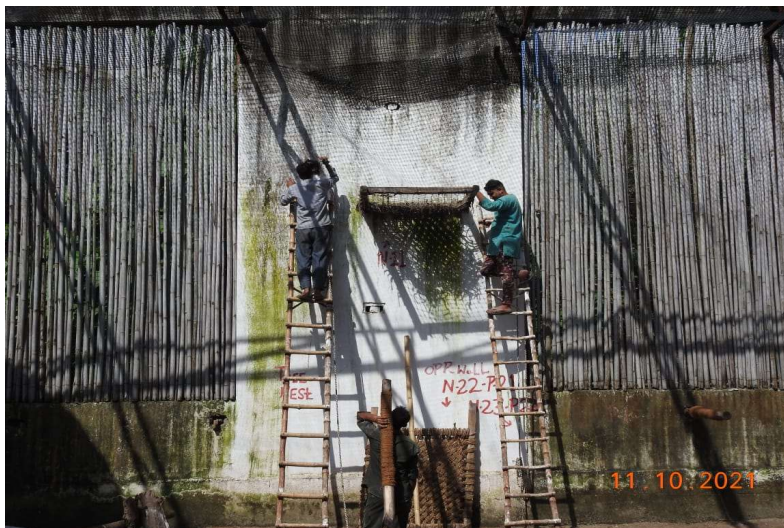
Municipal supply drinking and bathing water for vultures



Scrubbing walls to remove fecal matter as well as algal growth



Replacing soiled and worn-out perches with fresh ones



Replacing nest cots to prevent build-up of pathogens

17. Health Check-up of employees for zoonotic diseases

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1.	Mr. Jaikishan Sharma	Supervisor	1 st May 2021	Tested negative for Covid
2.	Tek Singh	Vulture Attendant	1 st May 2021	Tested negative for Covid
3.	Ravi Kumar	Vulture Attendant	1 st May 2021,	Tested positive for covid. Confirmed negative via 2 nd report 15 days later
4.	Devidutt Sharma	Vulture Attendant	1 st May 2021	Tested negative for Covid
5.	Manohar LaL	Vulture Attendant	1 st May 2021	Tested positive for covid. Confirmed negative via 2 nd report 15 days later
6.	Sukhdev	Vulture Attendant	1 st May 2021	Tested positive for covid. Confirmed negative via 2 nd report 15 days later
7.	Prakash Chand	Vulture Attendant	1 st May 2021	Tested negative for Covid

18. Development works carried out in the Rescue Centre during the year

Except for the routine maintenance of aviaries, no other development could be carried out

19. Important events and happenings

a. The 13th meeting of the Governing Council of Vulture Conservation Breeding Centre

The 13th meeting of the Governing Council of Vulture Conservation Breeding Centre, Pinjore was held on the 31 August 2021, in the Interpretation Room of Vulture Conservation Breeding Centre, Pinjore, under the Chairmanship of Dr.(Ms) G. Anupama, IAS, Principal Secretary to Govt. of Haryana, Forest & Wildlife Department.

The annual report of the year 2020-21 was presented and the Annual Plan of Operation was discussed. The report and the plan were approved by the Governing Council.

The main action points from the Governing Council meeting were:

Action Point 1:

It was decided that a reminder should be sent to the Drug Controller General of India (DCGI) requesting him to consider a ban on the veterinary use of the drug aceclofenac, which is a pro-drug of diclofenac and is available for veterinary treatment. A letter was sent to the DCGI following the recommendations of the 11th Governing Council and was followed up by the Drug Controller General of Haryana. The drug is however still not banned.

A draft letter along with scientific evidence as well as previous correspondences should be submitted to the Chairman who would write to the DCGI to expedite the ban on the veterinary use of aceclofenac.

The Action Point No. 2:

The electrocution of the released captive bred vultures could be a problem as one of the released vultures died of electrocution soon after release. It was decided that a meeting should be held with the Electricity Department to discuss the possibility of making the electricity transmission wires bird friendly.

It was decided that a draft letter should be sent to the Chairperson who would write to the Principal Secretary, Department of Power, Government of Haryana for a meeting to make network of electricity transmission bird friendly.

Action Point No. 3:

The proposed Annual Action Plan for the current year 2021-22 envisages continuation of reintroduction of vultures in the wild; monitor the area in a radius of 100 km from the centre for habitat quality in terms of population of free ranging birds, food availability for vultures and prevalence of vulture toxic drugs. The Centre will continue to breed all the three species of birds and maximise the number by artificial incubation and double clutching for ultimately releasing them in the wild. The APO envisaging various items of works was approved for its further submission to MoEF&CC, Government of India.



Action Point No. 4: Funding Issues faced by the centre

The centre receives funding through the Recovery Programme of Endangered Species of the Centrally Sponsored Scheme of MoEF&CC since 2014-15. The BNHS has to do all the expenses till January and February till the grant from CSS is received. As BNHS is an NGO, it finds it very difficult to provide money for the centre. It is also never sure when and how much grant will ultimately be received by the centre. Hence, no planned work could be carried out due to uncertainty of funding.

The Chairperson and the members were concerned about the funding issues. The Chairperson advised PCCF&CWLW to look into the funding issues and try to see that the centre gets the money in time and the work does not suffer.

b. Awareness programmes for vulture conservation

Due to the Covid-related restrictions, several awareness meetings, to raise vulture conservation awareness, were mainly held virtually. A total of 11 webinars were conducted during the period for various stakeholders including Forest Officials, Veterinarians and College students.

Forest Department is the custodian of wildlife and is responsible for the implementation of Wildlife Protection Act 1972. The centre gave extensive information on vulture conservation to various sources like MOEF&CC, CZA, Goa University, Wildlife Institute of India, Ludhiana University, Mysore University, Forest Departments of Uttar Pradesh, Karnataka and Veterinary Officers of Bihar Forest Department. The trainee officers were from various States and it was possible to create awareness among large number of officers.

The awareness programmes conducted at Vulture centre, Pinjore from April 2020 to March 2021 are summarized below:

Visitor's details April 2021 to March 2022				
Sl. No.	Date	Mode	Organiser	Delivered by
1	02-04-2021	Physical, PPT	Rakesh Sandhu, SDM Kalka	VP & Staff
2	03-04-2021	Physical, PPT	State Program Officer, Swarna Jayanti Haryana	VP & Staff
3	03-04-2021	Physical, PPT	State Program Officer, Swarna Jayanti Haryana	VP & Staff
4	05-04-2021	Physical, PPT	Rotary President, Chandigarh	VP & Staff
5	05-04-2021	Physical, PPT	Honorary Wildlife Warden, Rajaji Tiger Reserve	VP & Staff
6	11-06-2021	Physical, PPT	RFO Rohru, Shimla H.P.	VP & NVP
7	21-07-2021	Physical, PPT	Surjit Bhujbal, IRS-C&CEAsst. Comm,	VP & NVP
8	20-08-2021	Physical, PPT	Neetu Mehta, Birdlife	VP & NVP
9	20-08-2021	Physical, PPT	Anisha Uppal, Birdlife	VP & NVP
10	21-08-2021	Physical, PPT	Surya Gupta, CZA	VP & NVP
11	21-08-2021	Physical, PPT	Gowri Mallapur, CZA	VP & NVP
12	21-08-2021	Physical, PPT	Arundhati Mohanti, CZA	VP & NVP
13	21-08-2021	Physical, PPT	Sruthy Bhupathy, CZA	VP & NVP
14	31-08-2021	Physical, PPT	Dr. G. Anupama, P.S. Forest & Wildlife, Govt. of Haryana	VP & Staff
15	02-09-2021	Physical, PPT	D.C.F. Bangalore	VP & Staff
16	02-09-2021	Physical, PPT	D.C.F. Bangalore	VP & Staff

17	07-09-2021	Physical, PPT	7th batch FRO trainee Telangna	NVP
18	20-09-2021	Physical, PPT	Veterinarian, NZP, Telangana	VP & Staff
19	20-09-2021	Physical, PPT	Director, Sakkarbaug Zoo	VP & Staff
20	20-09-2021	Physical, PPT	Director, Nandan Kanan Zoo	VP & Staff
21	20-09-2021	Physical, PPT	Res. Biologist, Nandan Kanan Zoo	VP & Staff
22	22-11-2021	Physical, PPT	IFS lecturer CASFOS, Coimbatore	NVP
23	27-11-2021	Physical, PPT	PCCF & HOFF, Maharashtra	VP & Staff
24	28-11-2021	Physical, PPT	PCCFWL & CWLW, Karnataka	VP & Staff
25	28-11-2021	Physical, PPT	Director, WII, Dehradun	VP & Staff
26	07-12-2021	Physical, PPT	DFO (field)UFTA Uttarakhand	NVP
27	06-03-2022	Physical, PPT	Ex G.M. Bihar tourism, Govt of Bihar and Member IBCN, BNHS	NVP
28	21-03-2022	Physical, PPT	42nd PGDM, WII	VP

20. Seasonal special arrangements for upkeep of animals

I. New nest cots, perches, stumps, sand were provided in all aviaries before the onset of breeding season for successful breeding.



II. Instead of only 2 water troughs filled in winter months, all 4 water troughs were filled during peak summer months of May, June, July and August to keep the birds cool and hydrated.

III. Once again high-quality shade cloth was laid on top of all aviaries to provide additional shade. This cloth brings down the temperature by 5°C. The cloth was put specially over water troughs,

nest ledges and perches which were in the open.

21. Research work carried out and publications

i. Technical workshop for the Central Zoo Authority Coordinated Vulture Conservation Breeding Programme

The technical workshop was organized on September 20 and 21, 2021 at the Vulture Conservation Breeding Centre, Pinjore Haryana.

The workshop commenced with remarks by Dr. Devender Kumar, Evaluation and Monitoring Officer, CZA who emphasized the need of regular review meetings of Conservation Breeding Programmes to exchange views between the coordinating and participating zoos. He further stressed the need for shifting appropriate number of birds from the Pinjore Centre to the participating zoos.

Dr. Bivash Pandav, Director BNHS, expressed his happiness to see all involved in Vulture



Conservation Breeding Programme together in a meeting. He said BNHS is ready to share expertise with all the centres and would like to shift birds to other centres which have the required infrastructure.

A total of 22 participants (Zoo Directors, Biologists and Veterinarians)

from 6 states participated in the workshop. Centre Managers from all the four Vulture Centres run by BNHS in collaboration with the State Forest Departments were also present.



A Manual for keepers was released at the Vulture Conservation Breeding Centre at the time.



The following were the General Recommendations of the workshop

- The states may be encouraged to look into setting up of Vulture rescue centres to cater to injured and sick vultures either within the zoo premises or as a satellite facility.
- BNHS and the State Government of Assam may collaborate and plan the inclusion of the BNHS run centre at Assam as a satellite facility of Assam State Zoo cum Botanical Garden and the zoo propose the same in the revised Master Plan.
- Birds that are healthy but have passed their breeding age should be exchanged with zoos that have vultures in their animal collection plan for display purposes to generate awareness of the conservation story behind the species.
- Identification and monitoring of release sites for reintroduction of vultures should be done by the participating zoos and the area of release must fall within its distribution range.
- Vulture safe zones should be established and monitored around all the conservation breeding centres with the objective of subsequent reintroduction of the individuals in the wild.
- Breeding efforts should be extended to the Egyptian vulture *Neophron percnopterus* and the Red-headed vulture *Sarcogyps calvus*.

ii. Monitoring of released critically endangered Oriental White-backed vultures in the wild

The released vultures are within 100 km of the Vulture Conservation Breeding Centre. Four vultures regularly come to the centre on the feeding days i.e., Monday and Friday since March 2021 including wing tag nos. L6, 180, 220 and L7 with the wild vultures as the food is provisioned to them. They go back with wild vultures.

The Vultures No. L6 and No. 180 paired and nested close to the centre between November 2021 and January 2022 on a Banyan tree *Ficus bengalensis* but their nest was disturbed by monkeys.

The Vulture No. 220 formed a pair with a free ranging vulture during winter of 2021-22 and made a nest but did not lay an egg.



One Vulture with wing tag no. L5 also is within 100 km but largely remains around Masumpur and Govindpur area beyond Raipur Rani in Haryana.

One Vulture with wing tag no. L4 died of electric current near 'Mandana mode' on 8th December 2020. The carcass was completely burnt and hence the transmitter was damaged. One of

the Vultures with wing tag no. 170 was recovered weak at Rohru in Himachal Pradesh by the Himachal Forest Department but it died on 5 May 2021 due to starvation. The carcass and damaged transmitter were recovered.

22. Rescue and Rehabilitation of wild animals.

Sl. No.	Date of Rescue	Species with number of animals rescued with their sex (M: F: U: T)	Received from	Date of Submission of Report to the CWLW / CZA	Action taken	
	None				None	
	None	None	None	None	None	None



A Long-billed vulture nestling being reared in nursery aviary at the centre

23. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year: 1st April 2021-31st March 2022

Endangered Species*

S. No.	Animal Name	Scientific name	Opening Stock as on				Births			Acquisition					Death			Closing Stock as on						
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
1.	Long-billed vultures	Gyps indicus	21	23	151	195	0	0	1+10*	0	0	0	0	0	0	0	0	0	0	0	21	23	162	206
2.	White-backed vultures	Gyps bengalensis	9	10	111	130	0	0	0+4*	0	0	0	0	0	0	0	0	0	0	0	9	10	115	134
3.	Slender-billed vultures	Gyps tenuirostris	7	7	37	51	0	0	1+0*	0	0	0	0	0	0	0	0	0	0	0	7	7	38	52
Total			37	40	299	376	0	0	16*	0	0	0	0	0	0	0	0	0	0	0	37	40	315	392

*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Where 1+10* = 1 nestling of breeding season (bs) of 2021 and 10 nestlings of bs 2022

Where 0 + 4* = 0 nestling of bs of 2021 and 4 nestlings of bs of 2022

Where 1 + 0* = 1 nestling of bs of 2021 and 0 nestlings of bs of 2022

Therefore Total 2 nestlings of bs of 2021 and 14 nestlings of bs 2022

24. Mortality of animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem findings
1.	No mortality				

25. Compliance with conditions stipulated by the Central Zoo Authority

Sr. No	Norm No. under RZR, 2009	Condition Stipulated	Time Period to Comply	Since when pending	Status with regard to compliance of the conditions
1.	10.5(2)	Water sample to be tested	One month		The vultures are given potable municipal water supply for drinking.
2.	10.5(5)	Perches and shelves should be cleaned and disinfected regularly	Regular basis	Not pending as they are cleaned once every 15 days.	Done
3.	10.9(3)	Acquisition of rescued birds	Immediately as and when rescued	Not pending	No bird was rescued during the year
4.	10.5(3)	Shifting of birds from one centre to other	At the earliest	Not pending	No bird was shifted from one centre to other.



