

Table of contents

Content	Page
List of Tables.....	IV
List of Figures.....	IV
List of Abbreviations.....	V
Abstract.....	VI
Chapter 1: Introduction.....	1-4
Chapter 2: Materials and Methods.....	5-7
Chapter 3: Result and Discussion.....	8-23
3.1 Tiger population in Chattogram Zoo.....	8
3.2 Animals housing.....	9
3.3 Feeding.....	12
3.4 Reproduction Parameters.....	14
3.5 Care and management of abandoned cubs.....	16
3.6 Vaccination and medication history.....	18
3.7 Behavior.....	18
3.8 Introduction of captive animals in the wild.....	23
Conclusion.....	24
Limitations.....	25
References.....	26
Acknowledgments.....	32
Biography.....	33

List of Tables

Table	Title of the Table	Page
Table 1	Feeding of tigers in Chattogram Zoo	14
Table 2	Reproductive parameters of tigers in Chattogram Zoo.	16
Table 3	Cubbing history of tigresses in Chattogram Zoo.	16

List of Figures

Figure	Title of the Figure	Page
Figure 1	Location of Chattogram Zoo	5
Figure 2	The population of tigers in Chattogram Zoo over time	8
Figure 3	The pedigree chart of tigers in Chattogram Zoo	9
Figure 4	Diagram of cages of tigers in Chattogram Zoo	12

List of abbreviations

Abbreviation	Elaboration
kg	Kilogram
gm	Gram
kcal	Kilocalorie
am	Ante meridiem (Before midday)
pm	Post meridiem (After midday)
BFRI	Bangladesh Forest Research Institute
CVASU	Chattogram Veterinary and Animal Sciences University
CC	Close circuit
WWF	World Wide Fund for Nature
/day	Per day
i.e.	That is
et al.	And associates
e.g.	Example
No.	Number
%	Percentage
&	And
°C	Degree Celsius
×	Times
♂	Male
♀	Female

Abstract

Zoo or safari parks can play a significant role in helping to rescue wildlife, especially tigers that are ecologically vulnerable. In Bangladesh, zoos and safari parks are also considered as an important part in saving and conserving tigers and other wildlife species. There are two safari parks and roughly seven zoos that are well-known in our country. The study was carried out at Chattogram Zoo, Foy's Lake, south Khulshi, Chattogram; during the period from April 2022 to May 2022. The subjects were 16 healthy captive tigers from the zoo. Data were collected from those tigers about the housing, feeding, reproductive parameters, behavior, and outcome of the captive breeding program by constructing a questionnaire. Results showed that each animal has at least 37m² of floor space and at least 3.5 m of height in their cages. The alignment of each cage was spherical. The cages were cleaned daily between 7 am and 10 am in morning. Every tiger was given beef or chicken. Adults were provided 10 kg, subadults got 5 kg, growing cubs got 3 kg and cubs got 2 kg of meat per day, whereas fasting is practiced one day per week. The reproductive parameters showed that individual approximate birth weight was 600 to 900gm, age of puberty in 25-30 months, gestation period 98- 105 days, and month of cubbing from January to December. Those who are 6 months old were given the rabies vaccine and regular deworming was practiced in parasite management. Feeding behavior, maternal behavior, behavior in the presence of a keeper, competitive behavior, and reproductive behavior were observed and no abnormal or stereotypical behavior was visible. Finally, of this successful breeding program of tigers, Chattogram Zoo authority is planning of releasing surplus tigers into the Night Safari Park of Shitakund, Chattogram. To make the captive breeding program successful and increase the number of tigers, it is inevitable to learn about their nutrition, housing, management, and behavior in captivity which can contribute to the national conservation of tigers in the near future.

Keywords: *Royal Bengal Tiger, Nutrition, Management, Behavior, Zoo, Captive breeding.*