

1. INTRODUCTION :

The main objectives for constitution of this Pradhikaran (or the Authority) is management and development of Bhagwan Birsa Biological Park at Chakla, Ormanjhi, Ranchi, facilitation of linkage between *ex-situ* and *in-situ* management and conservation of flora & fauna, breeding and rearing of endangered faunal species with the object of saving them from extinction so as to enrich the depleted fauna, awareness and education in wildlife conservation through zoo-people interface and appropriate zoo-outreach programmes, rehabilitation and care of orphaned or injured or stray or sick animals rescued from the wild or from circuses/ derecognized zoos, acquisition of wild animals, receipt and management of funds from different sources etc.

Bhagwan Birsa Biological Park, Ranchi is one of the most beautiful and progressive zoos in India which covers 104 ha of area having mildly undulating topography with natural dry deciduous Sal forests & water bodies in and around it. It provides the wild animals of this zoo a natural habitat to live in peace and harmony with the nature. It is situated on the Ranchi-Ramgarah section of National Highway 33, on the outskirts of Ranchi and about 20 kms from it. It is fragmented by the NH in two unequal halves, the smaller part being the botanical section (23 Ha) while the larger one being the zoological section (81 Ha). This zoo was opened to the public on 26th January 1994. Most of the animals of this zoo live in open, large moated areas surrounded by natural vegetation providing them a feeling of living in their natural habitat.

2. Salient features :

Captive animals and birds as on 31.03.2014

Mammals	23 sps.	301 nos.
Birds	31 sps.	671 nos.
Reptiles	16 sps.	49 nos.

Total	70sps	1021 nos
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- **Number of Animal Enclosures** : 39
- **Number of Visitors (2013-14)** : 460575
- **Zoo Holiday (closing day)** : Every Monday

- **Visiting Time (for visitors)** : 9 am to 4.30 pm during winter season.
(15 October to 15 February)
9 am to 5 pm during other seasons.
(from 16 February to 14 October)

➤ **Visitors Amenities :**

- Drinking water facility.
- Rest areas / sit outs / visitor sheds at convenient locations.
- First aid facility.
- Wheel chairs for physically challenged person.
- Signages.
- Toilets.
- Kiosks.
- Battery operated bus service.
- Information centre
- Guide maps.
- Canteen.

➤ **Admission Fees and Levy :**

Entry fee :

- **Adult** : Rs. 20/-
- **Children (age group of 3-12)** : Rs. 10/-
- **Handicapped person / child below 3 years of age** : Free
- **Group Ticket :-**
 - (a) For a group of every 10 to 24 Persons : Rs. 16/- per adult
Rs. 8/- per child
 - (a) For a group of every 25 and more Persons : Rs. 14/- per adult
Rs. 5/- per child

- **Photography :**

Still Camera	:	Rs. 10/-
Video Camera (for family use)	:	Rs. 150/-
Movie Camera (for commercial use)	:	Rs. 500/-
Advertisement and feature film	:	Rs. 1500/-

- **Parking :**

(i) Bus / Truck	:	Rs. 30/-
(ii) Car / Jeep	:	Rs. 20/-
(iii) Motor cycle / Scooter	:	Rs. 10/-
(iv) Bicycle	:	Rs. 2/-

- **Battery operated bus service :**

Per person / per trip of one hour	:	Rs. 30/-
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- **Boating :**

Paddle boat (2 seater)	:	Rs. 25/-
Paddle boat (4 seater)	:	Rs. 40/-

(Note : Per trip of 15 minutes)

- Special rate for entry on 31st December,

1 st and 2 nd January	:	Rs. 30/- per adult (No group ticket)
	:	Rs. 20/- per child (No group ticket)

Note : 1. On the occasion of Independence Day (15th August) / Republic day (26th January) / Children day (14th November) and Wildlife Week (From 2nd October to 8th October), the entry fee has been made free for students and minors.

2. For handicapped persons and children up to three year age, entry is free.

3.(a) Zoo personnel (permanent) as on 31.03.2014

Sl.No.	Name of post	Sanctioned strength	In position	Vacancy
1	Chief Conservator of Forests and Director	01	01	-
2	Asst. Conservator of Forests	01	01	-
3	Range Forest Officer	03	03	-
4	Veterinary Doctor	01	01	-
5	Head clerk	01	01	-
6	Assistants	02	02	-
7	Forester	02	01	01
8	Forest Guard	04	03	01
9	Compounder	01	-	01
10	Driver	02	01	01
11	Animal keeper-cum-Sweeper	24	-	24
12	Orderly / Peon	02	02	-
13	Chowkidar	06	01	05
14	Mali (Gardener)	05	-	05
15	Sweeper	02	-	02
Total		57	17	40

3. (b) Zoo personnel (daily wagers) as on 31.03.2014

Sl. No.	Category	No.
1	Zoo Keepers	
2	Maali	
3	Chowkidar	
4	Driver	04
5	Electrician	01
6	Compounder	01
7	Computer Operator	01
8	Other	

4. Visitors flow to the Park during last three years :

Year	No. of visitors
2011-12	423820
2012-13	443123
2013-14	460575

5. Receipts during the last three years :

The receipts from all sources, during last three years is as follows :-

Years	Receipts (in Rs.)
2011-12	6726120.00
2012-13	9984020.00
2013-14	10779169.00

6. Allotment and Expenditure during 2013-14 :

क्रम सं०	स्वीकृत कार्य विवरणी	व्यय हेतु स्वीकृत राशि (लाख रु)	माह मार्च 2014 तक व्यय राशि	अभ्युक्ति
1	2	3	4	
1.	पदाधिकारियों/कर्मचारियों को भुगतान :- (i) वेतन, जीवनयापन भत्ता आदि (salary)	115.00	10623784.00	
	(ii) यात्रा-व्यय	1.00	34548.00	
	(iii) एल.टी.सी./एच.टी.सी.	0.75	—	
	(iv) वर्दी	0.30	25000.00	
2.	कार्यालय व्यय।	5.00	334071.00	
3.	मोटरगाड़ी।	3.00	268926.26	
4.	दूरभाष (लैण्ड लाइन/मोबाईल), नये मोबाईल सेटों का क्रय सहित।	2.00	115570.00	
5.	विद्युत व्यय (उर्जा-प्रभार)।	15.00	1495029.00	
6.	मशीन एवं उपकरण।	10.00	352110.00	
7.	प्रचार - प्रसार।	12.00	799178.00	
8.	मजदूरी।	80.00	6494775.23	

9.	सामग्री एवं पूर्तियाँ।	90.00	7963412.74	
10	मछलीघर का अंश कार्य	100.00	—	
11.	मछलीघर, बटरफ्लाई पार्क, वाटरपार्क मोनो रेल main gate—पावार का निर्माण (सभी अंश कार्य)।	711.66	257900.00	
12.	नीलगाय इन्क्लोजर का सुदृढीकरण कार्य।	1.45	—	
13.	वन्यप्राणी विषय पर फिल्म एवं साहित्य का क्रय।	1.50	—	
14.	अबाध विद्युत आपूर्ति व्यवस्था का संधारण, विद्युतीकरण सहित।	10.00	437045.00	
15.	हरा चारा उत्पादन एवं वितरण कार्य।	8.00	749857.00	
16.	डोरण्डा वन विश्रामागार से सम्बन्धित कार्य :— (i) वार्षिक रख-रखाव। (ii) एक आउटहाउस एवं शौचालय निर्माण।	5.75 5.00	548148.56 —	
17.	कृष्णमृग इन्क्लोजर में दो शेड निर्माण एवं नर/मादा को अलग-अलग करने हेतु बैरियर का निर्माण	2.95	165500.00	
18.	वर्तमान सांभर इन्क्लोजर में शेड निर्माण।	1.45	—	
19	4— सीटर एवं 2—सीटर बैट्री बस का क्रय	7.60	115000.00	
20.	जैविक उद्यान वन विश्रामागार एवं उसके आउटहाउस/ लेबर शेड/महाराजा गेट/बाउण्ड्री वाल/पक्की सड़क /क्वारन्टाईन वार्ड/गोदाम/सभी वन्यप्राणी इन्क्लोजर्स के रिटायरिंग सेल्स/मगर एवं क्रोकोडाइल इन्क्लोजर/आहार गोदाम-सह-किचेन/सभी पेयजल प्वाइंट्स की मरम्मति/सरकारी कार्यालय एवं आवास की मरम्मति, चुना पोचाड़ा कार्य/वन्यप्राणियों के इन्क्लोजर की मरम्मति/उन्नयन कार्य।	32.00	1647094.44	
21..	बागवानी एवं सौंदर्यीकरण कार्य।	14.00	1390000.00	
22.	वन्यप्राणी क्रय, आदान-प्रदान एवं ट्रांसलोकेशन कार्य।	10.00	246500.00	
23.	चीतल इन्क्लोजर में फीडिंग प्लेटफॉर्म के उपर शेड एवं नर/मादा को अलग-अलग करने हेतु बैरियर का निर्माण।	2.90	208600.00	
24.	वर्तमान सफेद कृष्णमृग इन्क्लोजर का सुदृढीकरण कार्य।	1.45	—	

25.	हिप्पो इन्क्लोजर का सुदृढीकरण।	4.75	11565.00	
26.	वाक एराउण्ड एवियरी एवं पुरानी एवियरी का सुदृढीकरण कार्य।	5.00	—	
27.	पेशेवर एवं कंसल्टेंसी सेवायें (कोर्ट केसेज से सम्बन्धित व्यय; चार्टर्ड एकाउन्टेंट आदि से सम्बन्धित)।	1.00	29000.00	
28.	वानस्पतिक प्रभाग में एक डीप बोरिंग कार्य।	3.00	—	
29.	सपही नदी साईड में झुक रहे चहारदीवारी को तोड़कर वहाँ नयी चहारदीवारी का निर्माण।	3.50	239700.00	
30.	वन्यप्राणी एवं दर्षक व्यवस्था सम्बन्धी मौसमी, रूटीन एवं विविध कार्य।	15.00	1432830.77	
31.	चीतल इन्क्लोजर के क्राल, पुराने शेड का सुदृढीकरण।	1.15	—	
32.	स्टैण्ड ऑफ बैरियर्स निर्माण/नया लॉन एवं बाग घेरान /चेकर्ड-पेवर्ड टाइल्स पाथवे निर्माण/टिकट खिड़की वाले प्रवेश गेट पर वर्षा से बचाव हेतु छत का निर्माण/दर्षक विश्राम बेंचेज का निर्माण/दो नये पेयजल प्वाईट्स का निर्माण/पम्पहाउस का निर्माण।	20.00	168745.00	
33.	लेपर्ड कैट, जंगली बिल्ली, बाघ, शेर, तेन्दुआ, मगर एवं घड़ियाल इन्क्लोजर की मरम्मति एवं सुदृढीकरण।	10.00	41500.00	
34.	चिल्ड्रेन पार्क का विकास एवं अनुरक्षण कार्य।	6.00	193431.00	
35.	लैण्डस्केपिंग एवं नये लॉन/बाग का विकास।	10.00	—	
36.	लकडबग्घा इन्क्लोजर के स्टैण्ड ऑफ बैरियर का सुदृढीकरण।	5.00	—	
37.	आहार गोदाम-सह किचेन का सुदृढीकरण।	5.00	170700.00	
38.	जू-किट की आपूर्ति	6.00	575028.00	
39.	डोरण्डा स्थित कम्युनिटी भवन का वार्षिक रख-रखाव	10.00	323700.00	
40.	डोरण्डा स्थित सामुदायिक भवन में फूट कोर्ट का निर्माण	3.10	—	
41.	डोरण्डा स्थित सामुदायिक भवन के लेबर शेड का निर्माण।	2.75	—	
42.	डोरण्डा स्थित सामुदायिक भवन के अंष विद्युतीकरण कार्य	5.00	—	
43.	डोरण्डा स्थित सामुदायिक भवन के अहाते में लैण्ड स्केपिंग, लॉन का विकास एवं किचन शेड	4.92	—	

	का निर्माण।			
44	जैविक उद्यान स्थित क्वारन्टाईन वार्ड की विशेष मरम्मत।	1.50	58800.00	
45	हाथी इन्क्लोजर का सुदृढीकरण, सेप्टी टैन्क मरम्मत सहित।	1.50	40300.00	
46	जन्तू अस्पताल का सुदृढीकरण, आइसोलेषन वार्ड सहित।	16.00	369500.00	
47	हिमालयन एवं स्लॉथ बियर के प्रजनन सेल का सुदृढीकरण।	3.00	185000.00	
48	चारा प्लॉट के निकट एक डीप बोरिंग एवं एक बड़े संप का निर्माण।	4.00	—	
49	जू के किचेन –सह– आहार गोदाम के पीछे के चारदीवारी का सुदृढीकरण।	4.00	—	
50	जैविक उद्यान स्थित दो कैन्टीन की विशेष मरम्मत।	2.00	—	
	योग	1409.43	38111849.00	

7. Visitors' Views

- I had come here about 10 years ago. Today I have been around the whole zoo and find that the zoo is in excellent condition with healthy animals which are multiplying. I found lot of rush as well as interest in staff towards inmates of the zoo. Now I can say that this zoo is competing with National Zoo of New Delhi.

- M. K. Sharma, IFS (Rtd.)
B. 24, Beta – I, Greater NOIDA
Dated 26.04.2013

- Very well maintained and attractive place. The dedication of officers and staff in maintenance and upkeep is commendable. A place of pride for Jharkhand.

- A. K. Singh
DIR (Comml) Retd, MECON
Dated 26.04.2013

- Feels like seeing animals in this natural habitat each of them were happy and smiling – a great compliment to the zoo Director and Staff ! Great Job !!

- S. K. Satapathy,
Pr. Secy, WR and RWD
Govt. of Jharkhand.

- I really enjoyed watching wild animals in the zoo and the maintenance and keeping of the animal by the Staff of the department is appreciable. They all co-operated with us and made us to visit the entire campus.

- Justice D. N. Upadhyay,
Jharkhand High Court, Ranchi.
Dated 04.08.2013

- Excellent facility. Enjoyed the visit very much. We need more spaces like this in India and the world. It has been a memorable tour!

- Alok Chaturvedi,
Chandani shah
Nieole Ellis
GORAN CALIE
Purdue University. West Jafayette,
In 47907
Dated 05.10.2013

- Thoroughly enjoyed the tour of the zoo. Animals are well kept and cared. There is lot of enthusiasm in the staff. Creation of zoo authority has given it a new dynamism.

- R. S. Sharma,
Chief Secretary, Jharkhand.
Dated 05.10.2013

- A beautiful zoo in natural setting What a great joy to see animals in a dense forest area. Everyone is very cordial and filled with a zeal to work here. We loved it.

- D. K. Tiwari,
Pr. Secretary, Planning &
Alka Tiwari,
Pr. Secretary, Forests,
Govt. of Jharkhand.
Date : 11.10.2013

- Really it was wonderful experience to have real round of this zoo. It came to know that amongst the zoo in India, it is having best habitat to have breeding of the animals. Keep it going on. I think it is only way to conserve the endangered animals. I wish it all the success.

- Justice R. R. Prasad,
Judge, Jharkhand High Court, Ranchi.
Dated : 26.12.2013

- Bhagwan Birsa Biological Park is one of the best biological park I have seen ever in the country. The awareness for conservation of the wild animals and wilderness is being disseminated among the people with great enthusiasm by the zoo authority people. I wish all success.

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Dr. Braj Kishor Sinha,
Deptt. of Zoology, SSM. College, Ranchi.
Dated : 29.01.2014

- It has indeed been a great pleasure to visit the zoo. The way it has been kept and maintained is really impressive. We could see and feel how well and vigilantly the animals are taken care of. I must compliment the entire administration and staff. I appreciate the hard work put in by them.

-

Sanjay Mehli, Adv.
Udyan Marg, Ellis Bridge,
Ahmedabad, Gujrat.
Dated : 05.03.2014

8. Master Plan

Preparation of the Master Plan of this zoo had been a long pending issue. After several rounds of deliberations and going through various exercises, it was given shape in 2009-10. The Master Plan, alongwith the Master Layout Plan, was submitted to the Central Zoo Authority for approval. The Master Layout Plan was approved by the C.Z.A. vide their letter F.No. 19-109 / 92 – CZA (48) (Vol.V) (M) dated 11.02.2010. This is a 20 years Master Plan for long-term development of this zoo. The CZA had made some suggestions for revision of this Master Plan. The same was modified and submitted to CZA. The Master Plan has been approved but experts of CZA suggested some modifications in the Master Layout Plan. The same has been done accordingly and sent to CZA. The approval is awaited.

9. Ban on usage of plastic articles

Bhagwan Birsa Biological Park, Ranchi has banned usage of plastic covers / bags inside the zoo. Sufficient number of warning boards or signages prohibiting use of such

articles inside the zoo have been put up at many places. Visitors are screened for plastic articles at the entrance gate.

10. Animal Adoption Scheme.

Like some other zoos in the country, this scheme was started in this zoo in the year 2010- 11but it became effective from year 2011-12 only. Wide publicity was given through news papers and also through letters. The result was quite encouraging and a good number of adoptors came forward to adopt the animals of this zoo, thus showing their keen interest to associate themselves to wildlife conservation. The adoptors included organizations as well as individuals including celebrity. The Jharkhand Zoo Authority expresses its sincere thanks and gratitude to all of them. A brief account of the animals under adoption during 2013-14 is given here under :-

SI. No.	Name of adopter	Animals adopted	Period
1.	Punjab National Bank Divisional Office, Bagrai Market, Ranchi.	All Indian Peacocks of this zoo.	5 years
2.	MECON Ltd, Ranchi	Leopards – Raja, Sita & Gita Tiger – Sugreeva	5 years
3.	RMD, SAIL, Ranchi	Elephants : Samrat, Lakhi & Ramu	5 years
4.	Shri Ramesh Chakraborty Lalpur, Ranchi	Langur	1 years
5.	Smt. Indira Chakraborty Lalpur, Ranchi	Hill mynah	1 years

The authority expects more adoptions in the years to come.

The current rate of adoption for different animals, as has been decided, is given below :

SI. No.	Wild Animal	For one Year/ animal	For Two Year/ animal	For three Year/ animal	For Four Year/ animal	For Five Year/ animal	Animal available for Adoption
1	Tiger	2.95	5.90	8.85	11.80	14.75	01
2	Lion	2.95	5.90	8.85	11.80	14.75	02

3	Leopard	0.97	1.94	2.91	3.88	4.85	01
4	Hippo	2.69	5.38	8.07	10.76	13.45	01
5	Himalayan Black Bear	0.86	1.72	2.58	3.44	4.30	07
6	Sloth Bear	0.60	1.20	1.80	2.40	3.00	10
7	Gharial	0.57	1.14	1.71	2.28	2.85	03
8	Jungle Cat	0.25	0.50	0.75	1.00	1.25	09
9	Hyaen	0.66	1.32	1.98	2.64	3.30	07
10	Civet Cat	0.23	0.46	0.69	0.92	1.15	04
11	Porcupine	0.26	0.52	0.78	1.04	1.30	02
12	Monkey	0.13	0.26	0.39	0.52	0.65	38
13	Langur	0.30	0.60	0.90	1.20	1.50	02
14	Pelican	0.57	1.14	1.71	2.28	2.85	02
15	Owl	0.20	0.40	0.60	0.80	1.00	04
16	Leopard Cat	0.33	0.66	0.99	1.32	1.65	04
17	EMU	0.47	0.94	1.41	1.88	2.35	09

What adopter get in return :

- For adoption of an enclosure/ animal for more than Rs. 1.00000/- the adopter will be given 12 Entry Coupons during the year, for adoption worth Rs. 50000/- or more, he will be given 6 Entry coupons. Similarly for an adoption of less than Rs. 50000/- will be given 3 Entry coupons.
- In case the students of a school adopt an animal by paying the adoption cheques, (100) students below (12) years of age from the school will be allowed free of charges along with (10) staff members in a year.
- Most important thing is that one can have the great feeling that he/she is practically participating in the conservation of our rich heritage.
- In case the adopter is a company, the signage of the company is allowed to be displayed near the enclosure.

11. Zoo Education Programme

At present, there is education officer/curator in Bhagwan Birsa Biological Park, yet different types of zoo – education programmes like celebration of wildlife week, Biodiversity Conservation Day etc. and field training of wildlife health and hygiene of final year veterinary students and refresher training cum visit of forest guards during 2013-14 were conducted successfully.

During wildlife week (first week of October) this year, essay and painting competitions on various topics related to the subject of wildlife were organized involving students of many schools situated in the Ormanjhi Block. Prizes were distributed among winning students. Honorable Justice N.N. Tiwari of Jharkhand High Court, Ranchi graced the occasion as Chief Guest.

Govt. of Jharkhand has made mandatory for schools children to visit the tourist places in their extra curricular activities. As a result, many schools made zoo visit programme for their students during the year. The students were addressed by zoo official and had talk with zoo keepers.

In order to strengthen and diversify the zoo education programme, a modern audio – visual public education centre - cum – library has been built in the zoo premises. It is a two storey building of architectural grandeur. The ground floor of the building has modern audio visual facility while the first floor has library facility. Wildlife related films are shown to school children on special occasions. The theatre also serves as a conference hall. The library on the first floor contain books & publications related with wildlife issues.

12. Snake House :

A snake house, recently built with proper arrangement of temperature and humidity regulation, was opened for public on 15.09.2012 after its inauguration by the then Forest Minister, Govt of Jharkhand.

It consists of 15 cells which can house approximately 50 snakes of different species. The viewer side of each cell is made up of glass and each cell has been environmentally

enriched. At present some 36 snakes of 12 different species are housing this snake house (as on 31.03.2014). This is our added attraction for zoo visitors especially children.

13. Cactus Garden :

A cactus garden has recently been created by the side of Audio – Visual center. As many as 60 species of cacti have been kept here. This is a place of special attraction for those who have some interest in cactus. The following species of cacti have been kept here:

14. Feed Godown-cum-Kitchen

This facility catered well to the feed requirements of wild animals of the zoo in a very systematic manner. Different types of diets were prepared as per prescriptions of the competent body, in the kitchen every day and served to the wild animals of the park. The work of preparing of various diets for animals required, as usual, utmost care and expertise from the staff of the zoo. Feed materials were procured from open market through tender. However, green fodder was mostly produced internally in the fodder plot of the zoo. Due importance was given to the quality and quantity of the feed article supplied to the zoo.

15. Garden section

The zoo has around 5 acres of land under gardens or lawns at different places inside the zoo which was maintained and tended at regular intervals round the year. A big lawn-cum-garden by the side of the lake and another by the side of the audio- visual centre-cum-public library are centres of great attraction for visitors. Nearly 1000 potted plants were also maintained, with perennial or season plants, flowering or otherwise, round the year. This facility has been developed to break the monotony of the visitors, make them feel fresh and proximity to the nature and also to encourage them to spend their leisure time in peace and tranquility. A small lawn-cum- garden has been prepared and maintained near the lion cage.

16. Animal Healthcare :

For taking care of animal health requirements, there was a full-time experienced veterinarian and a trained compounder in the zoo. They regularly monitored the health of animals and took suitable preventive and curative measures. In need of external help, this was taken from Ranchi Veterinary Collage and also from local practicing private veterinarians or from other zoos.

➤ **Infrastructure for animal healthcare in the zoo.**

- (a) A well equipped operation theatre and pathological laboratory.
- (b) Isolation wards to facilitate treatment and nursing of sick / injured and orphan animals.
- (c) A quarantine ward to house the rescued and newly acquired animals having small and big cells with open / closed nurseries.
- (d) A well-equipped post-mortem room.
- (e) A wood – based incinerator, to dispose the carcass of animals by burning.

➤ **Prophylactic Protocol**

- (a) For control of endoparasitic load screening of faecal samples of all captive animals, birds and reptiles were done at regular intervals and deworming were done accordingly.
- (b) For control of blood protean disease, periodic screening of blood samples was done and inj. triquine (quiropyramine sulphate and quinopyramin chloride) was administered thrice a year.
- (c) To prevent from feline pandedukopenia and feline trichorhinitis in big cats vaccine Fel-o-Vax I/M was administered.

17. Birth of animals during 2013-14

Sl. No.	Species	01.04.2011 TO 31.03.2012					
		M	F	U	Date of Birth	No. of Animals	Remarks/Place of Birth

1	2	3	4	5	6	7
1	Indian Peacock	-	-	2	07.06.2013	2
2	Leopard Cat	-	-	1	01.04.2013	2
				1	05.04.2013	
3	Spotted Deer	-	-	1	12.08.2013	10
				1	16.08.2013	
				1	19.08.2013	
				1	20.08.2013	
				1	22.08.2013	
				1	29.08.2013	
				1	11.09.2013	
				1	15.09.2013	
				1	22.09.2013	
				1	28.09.2013	
4.	Gour	-	1	-	04.04.2013	1
Total			1	15		15

18. Death of animals during 2013-2014

SI. No.	Animal Name	Sex	Date of death	Reason of Death
i	ii	iii	iv	v
1	Leopard	F	22.06.2013	Cardio -respiratory failure as a result of impacted colon and Ulcerative Gastro-Enteritis.
2	Nilgai	F	07.08.2013	Cardio - respiratory failure due to pneumonia and tympany.
3	Hippo	F	13.11.2013	Cardio-respiratory failure with features of disseminated intravasclar coagulopathy. (D.I.C.)

19. Rescue & Rehabilitation :

SI. No.	Species	Sex			No	Date	From where acquired
		M	F	U			
1	Spotted Deer	1	-	-	1	11.04.2013	Ranchi west forest Division lohardaga
2	Sloth Bear	2	1	-	3	14.09.2013	D.F.O. Giridih West
3	Nilgai	-	1	-	1	31.12.2013	R.F.O. Chandwa, Latehar
4	Stripped Hyaena	1	-	-	1	17.01.2014	R.F.O. Ramgarh
5	Leopard	1	-	-	1	31.01.2014	R.F.O. Budmu Range, Mandar

20. Animal Exchange/Disposal During 2013 - 2014

In order to enhance animal diversity, following wild animals were exchanged between Nandankanan Zoological Park Bhubaneswar, Udisha & Bhagwan Birsa Biological Park, Ranchi in during 2013-14 under Animal Exchange Programme :

S. N.	Species	Sex			N o.	Date	From where	To Where	Remarks
		M	F	U					
1	Sloth Bear	1	1	-	2	12.09.2013	Bhagwan Birsa Biological Park, Ranchi	Nandankanan Zoological Park, Bhubaneswar	
2	Himalayan Bear	1	1	-	2	12.09.2013	-do-	-do-	
3	Hippo		2		2	12.09.2013	Nandankanan Zoological Park, Bhubaneswar	Bhagwan Birsa Biological Park, Ranchi	
4	Water Monitor Lizard			4	4	12.09.2013	-do-	-do-	
5	Night Heron			2	2	12.09.2013	-do-	-do-	
6	Black Heron			2	2	12.09.2013	-do-	-do-	
7	Ibis			2	2	12.09.2013	-do-	-do-	

Annual Inventory Report of 2013-2014

LIST OF ANIMALS AS PER INVENTORY REPORT AS ON 01.04.2013 TO 31.03.2014

Sl. No.	Animal Name	Scientific Name	Opening Stock as on 1.04.2013				Births			Acquisition			Disposal			Death			Closing Stock as on 31.03.2014				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	T				
	Pheasant																						
1	Peafowl Indian	<i>Pavo cristatus</i>	5	3	5	13	-	-	2	-	-	-	-	-	-	-	-	-	-	10	3	2	15
2	Peafowl White	<i>Pavo cristatus</i>	2	3	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	-	5

3	Hill Mynah पहाड़ी मैना	<i>Pseudibis papillosa</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
4	Pelican Grey	<i>Pelecanus philippensis</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
5	Swan		2	4	8	14	-	-	-	-	-	-	-	-	-	-	-	2	4	8	14
6	Love Birds	<i>Melopsittacus undulatus</i>	-	-	134	134	-	-	-	-	-	-	-	-	-	-	-	-	13	134	
7	Common Pariah Kite	<i>Milvus migrans</i>	-	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	6	6	
8	Eagle	<i>Ichthyophaga ichthyaetus</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
9	Grass Owl	<i>Tyto capensis</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
10	Eurasian Owl	<i>Bubo bubo</i>	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	4	4	
11	Emu	<i>Dromaius novaehollandiae</i>	1	1	7	9	-	-	-	-	-	-	-	-	-	-	-	1	1	7	9
12	Golden Pheasant	<i>Chrysolophus pictus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
13	Parrakeets	<i>The green Parrakeets</i>	-	-	216	216	-	-	-	-	-	-	-	164	-	-	-	-	-	52	52
14	Lalmuniya	<i>The spotted munia</i>	-	-	382	382	-	-	-	-	-	-	-	-	-	-	-	-	38	382	
15	Robin		-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
16	Koel	<i>Eudynamis scolopacca</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
17	Cocka Teil	<i>Nymphicus hollandicus</i>	2	2	6	10	-	-	-	-	-	-	-	-	-	-	-	2	2	6	10
18	Budgeriger	<i>Melopsittacus undulatus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
19	White Ibis	<i>Threskiornis melanocephalus</i>	1	1	-	2	-	-	2	2	-	-	-	-	-	-	-	3	3	-	6
20	Brahmi duck	<i>Todorna ferrugi</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
21	Titar	<i>Francolinus pondicerianus</i>	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	4	4	
22	Adjutant stork	<i>Leptoptilos dubrus</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
23	Black frankolin	<i>Francolinus frankolinus</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
24	Night Heron	<i>Nycticorax nycticorax</i>	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-	2
25	Grey Heron	<i>Ardea cinerea</i>	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	-	2
26	Malard duck	<i>Anas platyrhynchos</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
27	Mandrin duck	<i>Aix galericulata</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
28	Lady Amherst Pheasant	<i>Chrysolophus amherstiac</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
29	Big Indian Parakeets	<i>Psittacula nipalensis</i>	-	-	19	19	-	-	-	-	-	-	-	19	-	-	-	-	-	-	-
30	Hornbill	<i>Anthracoceros albirustris</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
31	Red Japanese Pheasant		1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
		Total Birds	20	20	804	844	-	-	2	4	4	-	-	183	-	-	-	29	24	61	671
		Mammals																			
1	Bear Himalayan Black	<i>Selenarctos thibetanus</i>	2	5		7	-	-	-	-	-	1	1	-	-	-	-	1	4	-	5

2	Bear Sloth	<i>Melursus urcinus</i>	6	3	-	9	-	-	-	1	-	-	1	1	-	-	-	6	2	-	8
3	Cat Jungle	<i>Felis chaus</i>	5	4	-	9	-	-	-	-	-	-	-	-	-	-	-	5	4	-	9
4	Gour (Bison)	<i>Bos gaurus</i>	2	1	-	3	-	1	-	-	-	-	-	-	-	-	-	2	2	-	4
5	Elephant Asiatic	<i>Elephas maximus</i>	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-	2	1	-	3
6	Langur Common	<i>Presbytis entellus</i>	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-	2	1	-	3
7	Leopard / Panther	<i>Panthera pardus</i>	3	2	-	5	-	-	-	1	-	-	-	-	1	-	-	2	3	-	5
8	Macaque Rhesus	<i>Macaca mulatta</i>	17	12	4	33	-	-	-	-	5	-	-	-	-	-	-	18	12	8	38
9	Hippopotamus	<i>Hippopotamus amphibius</i>	1	-	-	1	-	-	-	2	-	-	-	-	1	-	-	1	1	-	2
10	Deer Barking Muntjac	<i>Muntiacus muntjak</i>	5	7	3	15	-	-	-	-	-	-	-	-	-	-	-	7	7	1	15
11	Deer Sambhar	<i>Cervus unicolor</i>	3	9	10	22	-	-	-	-	-	-	-	-	-	-	-	5	10	7	22
12	Deer Spotted	<i>Axix axis</i>	35	21	43	99	-	-	10	-	-	-	-	-	-	-	-	35	50	24	109
13	Hyaena Stripped	<i>Hyaena hyaena</i>	4	2	-	6	-	-	-	-	-	-	-	-	-	-	-	4	2	-	6
14	Black Buck	<i>Antelope cervicapra</i>	21	11	3	35	-	-	-	-	-	-	-	-	-	-	-	21	11	3	35
15	Lion Hybrid	<i>Panthera leo</i>	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
16	Nilgai	<i>Boselaphus tragocamelus</i>	1	3	1	5	-	-	-	1	-	-	-	-	1	-	-	1	3	1	5
17	Procupine Indian	<i>Hystrix indica</i>	1	-	1	2	-	-	1	-	-	-	-	-	-	-	-	1	1	1	3
18	Jackal	<i>Canis aureus</i>	3	3	5	11	-	-	-	-	-	-	-	-	-	-	-	3	3	5	11
19	Fox Common	<i>Vulpes bengalensis</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
20	Palm Civet Cat	<i>Paradoxurus nermaphroditus</i>	2	2	-	4	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4
21	White black Buck	<i>Antelope cervicapra</i>	1	2	1	4	-	-	-	-	-	-	-	-	-	-	-	1	2	1	4
22	Tiger	<i>Panthera tigris tigris</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
23	Leopard Cat	<i>Felis bengalensis</i>	1	2	-	3	-	-	1	-	-	-	-	-	-	-	-	1	2	1	4
		Total Mammals	119	95	71	285	-	1	12	1	4	5	2	2	-	1	2	122	127	52	301

Sl. No.	Animal Name	Scientific Name	Opening Stock as on 01.04.2013				Births			Acquisition			Disposal			Death			Closing Stock as on 31.03.2014			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
	Reptiles																					
1	Gharial	<i>Gavialis gangeticus</i>	-	1	2	3	-	-	5	-	-	-	-	-	-	-	-	1	2	5	8	
2	Crocodile Marsh	<i>Crocodylus palustris</i>	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	
3	Python	<i>Python molurus molurus</i>	1	1	4	6	-	-	1	-	-	-	-	-	-	-	-	1	1	5	7	
4	Russel's Viper	<i>Vipera russelli</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
5	Sand Boa	<i>Eryx conicus</i>	1	1	1	3	-	-	1	-	-	-	-	-	-	-	-	1	1	2	4	
6	Moniter Lizard	<i>Varanus salvator</i>	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	

7	Water Monitor Lizard	<i>Varanus salvator</i>	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	4	4		
8	Banded Karait	<i>Bungarus fasciatus</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
9	Cobra Spectacled	<i>Naja naja</i>	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4	
10	Karait	<i>Bungarus caeruleus</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
11	Keel Back	<i>Yenochrophis piscator</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	
12	Trinket Snake	<i>Coelognathus helena</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
13	Rat Snake	<i>Ptyas mucosus</i>	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3
14	Green pit viper	<i>Trimeresurus gramineus</i>	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	
15	Cat Snake	<i>Boiga trigonata</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
16	Sand Boa red	<i>Eryx johni</i>	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
		Total Reptiles	4	4	30	38	-	-	7	-	-	4	-	-	-	-	-	-	-	-	5	5	39	49
		Total Animals	14	11	905	1167	-	3	1	5	8	9	2	2	183	1	2	-	15	156	70	9	102	1

DEATH REPORT FOR THE YEAR 2013-14 (01.04.2013 TO 31.03.2014)

Sl.No.	Animal Name	Scientific Name	Sex	Date of death	Reason of Death
i	ii	iii	iv	v	vi
1	Leopard	<i>panthera pardus</i>	M	22.6.2013	Cardio-respiratory failure as result of impacted colon and Ulcerative Gastro-Enteritis.
2	Nilgai	<i>Boselaphus tragocamelus</i>	F	07.08.2013	Cardio-respiratory failure due to pneumonia and tympany.
3	Hippopotamus	<i>Hippopotamus amphibius</i>	F	13.11.2013	Cardio-respiratory failure with features of disseminated intravasclar coagulopathy. (D.I.C.)

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