

NANDANVAN JUNGLE SAFARI

Naya Raipur, Chhattisgarh

Annual Report 2017-18



**JUNGLE
SAFARI**

NAYA RAIPUR

Report of the officer-in-charge

With immense pleasure, I bring out the Annual Report of Nandanvan Jungle Safari, Naya Raipur for the year 2017-18.

Nandanvan Jungle Safari was inaugurated by the Honorable Prime Minister of India on 1st November 2016.

This report highlights some of the immense high quality work done for animal conservation and breeding.

Naya Raipur boasts of verdant green canopy and gardens and parks with colourful flowers making it the most ideal paradise for visitors. While, the core purpose of establishment of Safari was ex-situ conservation breeding, education and research.

Right from inauguration, the Jungle Safari has attracted visitors from all walks of life. From beautiful landscaping and planting work to the construction of zoo, a multitude of development work was undertaken this year.

Nandanvan Zoo Safari has achieved so much success and footfall in such little time that I can proudly say it's not only a national asset but an asset of the World.

I welcome you to Nandandanvan Zoo Safari - a conservation centre which is also a proud education hub for the children and breeding hub for endangered species.

Mrs. Mercy bella (IFS), Director-Nandanvan Jungle Safari

History of the Zoo

Established in 1979, The Nandanvan mini Zoo, Raipur, is a striving endeavour in form of a rescue shelter for animals in distress. The zoo is a recreational hub that serves as an educational centre besides being a haven for rescued animals. In the year 2008, CZA (Central Zoo Authority) granted the status of a mini zoo to Nandanvan. Since then, it has been the paramount attraction for the people of Raipur.

In November 2000, after the creation of Chhattisgarh, the state government formalized plans for development of a new capital city, Naya Raipur. The Naya Raipur Development Authority (NRDA), under the ingenious vision of the Honorable Chief Minister Dr.Raman Singh conducted a meeting on 21.01.2011 to develop a world class Safari in Naya Raipur - under the chairmanship of chief secretary which PCCF Wildlife and APCCF (CAMPWA) attended (letter no. 491123617(1)131/Environments /NRDA/2011 Raipur dated 01.02.2011).

As a result of the meeting, it was decided to allot the stipulated area to forest department for establishment of Jungle Safari at Naya Raipur (mentioned in letter no.887/7(I)/31IEnvir Ofme NRDN 2^ot Raipur dated 01.03.2011). NRDA allotted 202.87 ha. of area for jungle safari trough (letter no. 12/6(2)/7571 Sampada /NRDA/201 2 dated 21.01.2015).

Through letter no. 12/6(2)/757/Sampada/NRDA/2012 dates 21.02.2015, NRDA cancelled the previous order and issued a revised order of allotting 320.15 ha. area at Naya Raipur for establishment of Nandanvan Zoo and Safari, Naya Raipur (Relocation of Nandanvan Zoo Raipur). It was decided to shift the Nandanvan Mini Zoo to Naya Raipur and the permission of CZA was sought by sending a proposal.

Master layout plan of the relocation of Nandanvan Zoo Raipur to Naya Raipur was authenticated by the member secretary on behalf of the CZA (letter no. F.no.19160/93CZA(149)(M) dated 29.08.2012). With the joint efforts of the forest officials, Master Plan of Nandanvan Zoo & Safari Naya Raipur was prepared that

included drawings and designs of essential structural components of Herbivore Safari, Bear Safari, Tiger Safari, Lion Safari and the zoo portions which was then submitted to CZA for its approval (letter no/campa/854 dated 16.09.2014).

Scrutiny of the Master Plan of Nandanvan Zoo Naya Raipur was done by the expert group on Zoo designing of the CZA in its 56th meeting held on 8th Oct 2014 and the same was placed before the Technical committee for approval in the 72th meeting dated 12th Dec 2014. The Technical committee of the CZA approved the master plan of the Nandanvan Zoo at Naya Raipur (letter no.F.no.19-160/93-CZA(147) vol.116474 dated 31.12.2014).

Once the Master Plan was approved, the implementation phase started at the site. Initial budget allocation ensued in the establishment of Tiger Safari, Herbivore Safari and Bear Safari. During this phase, development of water facilities for animals, a veterinary hospital for animal care and a green belt was followed up.

In the Jungle Safari, visitors can enjoy the enlivening wildlife experience through safari vehicles and view wildlife in their natural habitat. Wildlife experts at Nandanvan, ascertained additional efforts and care to provide basic amenities needed for the animals in order to manifest their natural behavior - while ensuring safety of animals as well as the visitors and zoo keepers at the same time.

In the safari park, visitors are taken around in vehicles where they can see animals roam in natural habitat from close quarters. The Zoo administration has executed special efforts to develop public amenities such as polo cart vehicles, drinking water facilities, waiting hall, lawns & gazebos for shelter.

After development of Herbivore safari, Bear Safari and Tiger Safari the animals from the old Nandanvan Zoo Raipur were shifted to Naya Raipur with due diligence and care. On the occasion of Chhattisgarh's 16th foundation day on 1st Nov 2016, the Honorable Prime Minister of India Shri Narendra Modi inaugurated the biggest man-made Jungle Safari, the **Nandanvan Jungle Safari at Naya Raipur**.

VISION

A Ex Situ conservation & breeding centre for conservation, research, education, and recreation that connects people to nature through experiences that instil passion to protect wildlife and habitats.

MISSION

To marshal communities towards conservation of wildlife through encouraging actions that foster people participation - for conservation, breeding and exemplary animal welfare and care.

OBJECTIVE

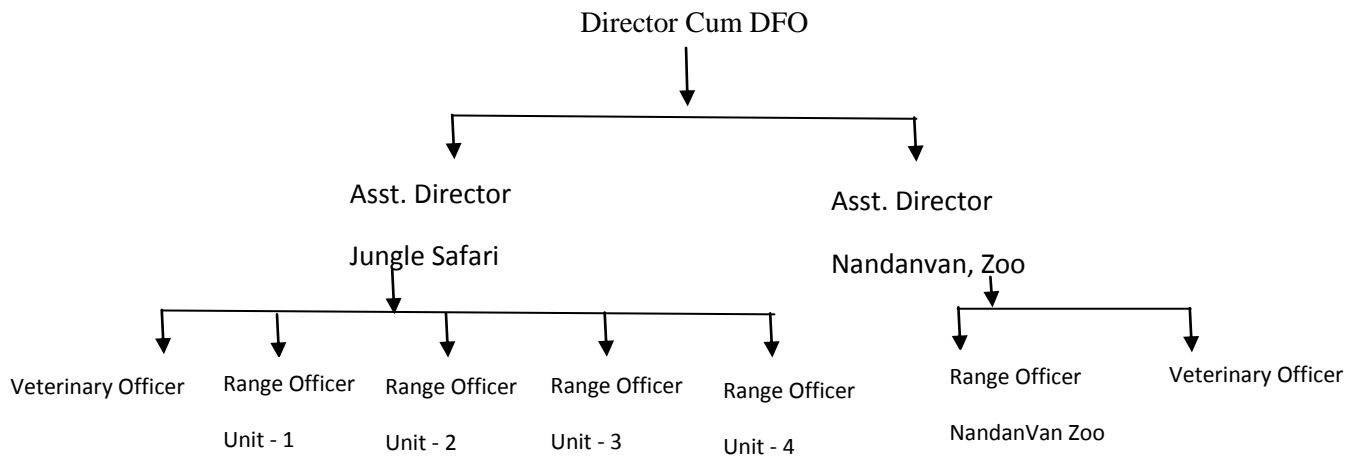
Provide a steadfast conservation and research facility Disseminate an educational experience for wildlife enthusiasts Administer ethical and healthy recreation centre for the masses Conservation and breeding of endangered wild species Create awareness amongst the visitors about wildlife Fortify scientific housing of wild animals Promote ex-situ and in-situ wild animal breeding & conservation Conserve the Biodiversity of the rich heritage in State Augment environmental activities resulting in recreation & education

About us

S.No	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Nandanvan Zoo & Safari Naya Raipur (CG)
2	Year of Establishment	1 st Nov. 2016
3	Address of the Zoo	Sector 39, Naya Raipur Chhattisgarh
4	State	Chhattisgarh
5	Telephone Number	0771-2439725
6	Fax Number	-
7	E-mail address	dfojunglesafari@yahoo.com
8	Website	-
9	Distance from nearest	Airport : 15 km from Swami Vivekanand International Airport, Raipur
		Railway Station : 35 km from Raipur, Railway Station
		Bus Stand : 30 km from Pandri Bus Stand, Raipur
10	Recognition Valid upto (Date)	21st march 2020
11	Category of zoo	Medium
12	Area (in Hectares)	320.15 Hec.
13	Number of Visitors (Financial Year) 2017-18	Adult : 183547
		Children : 50060
		Total Indian : 233607
		Total Foreigners : 42
		Total Visitors : 233649
14	Visitors Facilities Available in zoo	Restaurants, Shelter, Garden, Rest Room, Buses, Electric Golf Cart, First Aid, Drinking water, vehicle parking etc.
15	Weekly Closure Day of the zoo	Monday
management personnel of the zoo		
16	Name with designation of the Officers in-charge	Mrs. M. MERCY BELLA (IFS)] Director Cum DFO Nandanvan Zoo & Safari, Naya Raipur (CG)
	Name of the Veterinary Officer	Dr. Rakesh Verma

	Name of the Curator	-
	Name of the Biologist	-
	Name of the Education Officer	-
	Name of the Compounder/Lab Assistant	-
Owner / Operator of the Zoo		
17	Name of the Operator	Forest Secretary Govt. of Chhattisgarh
18	Address of the Operator	R. No. 5-014, Sector - 19, Mahanadi Bhawan, Mantralay , Govt. of Chhattisgarh, Naya Raipur
19	Contact details/Phone number of Operator	0771- 2510002
20	E-mail address of Operator	secyfeg@yahoo.com

Organizational Chart



Human Resources

ADMINISTRATIVE SETUP & PRESENT STATUS

Designation	Sanctioned	Working	Vacant	Additional
DFO	01	01	00	00
ACF	00	01	00	01
Superintendent	00	01	00	01
Veterinary Doctor	01	02	00	01
Forest Ranger	02	03	00	01
Forest Dy. Ranger	02	01	01	00
Forester	02	06	00	04
Forest Guard	06	19	00	13
Compounder	01	00	01	00
Wild life Asst.	04	00	04	00
Forest Watchman	00	20	00	20
Head Clerk	00	01	00	01
Accountant	00	03	00	03
Asst. Grade- 2	01	02	00	01
Asst. Grade- 3	02	04	00	02
Peon	02	02	00	00
	24	66		

Capacity Building of zoo personnel

S.No.	Name and Designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended
1	Dr. Rakesh Verma Veterinary Doctor	Training Programme for endangered species recovery	05-07-2017 to 27-07-2017	Durrells Conservation academy, Jersey Island UK

Zoo Advisory Committee -

- a. Date of constitution - Nil
- b. Members - Nil
- c. Dates on which Meeting held during the year - Nil

Health Advisory Committee-

- a. Date of constitution - 19/02/2018
- b. Members -

1	Chief Conservator of Forest, (Wild Life) & Field Director Udanti-Sitanadi Tiger Reserve, Raipur (C.G.)	President
2	Veterinary Doctor, Nandanvan Zoo, Raipur (CG)	Member
3	Veterinary Doctor, Nandan Kanan Zoo, Bilaspur (CG)	Member
4	Professor & HOD, Medicine Department, Veterinary College, Anjora, Durg (CG)	Member

- c. Dates on which Meeting held during the year - Nil

Statement of income and expenditure of the zoo

Jungle Safari Visitors Month April 2017 to March 2018

S.No	Date	AC/Non AC Visitors				Visitors Total	Total Amount
		Adult	Child	Total Indian	Foreigner		
6	April 2017	9846	1631	11477	5	11482	2267200.00
7	May 2017	14363	2932	17295	0	17295	3255600.00
8	June 2017	16696	3037	19733	5	19738	3661100.00
9	July 2017	14839	1400	16239	0	16239	3126800.00
10	August 2017	15864	2153	18017	2	18019	3445350.00
11	September 2017	13085	2595	15680	0	15680	2874450.00
12	October 2017	12790	4253	17043	0	17043	2950100.00
11	November. 2017	15576	6933	22509	7	22516	3611350.00
12	December. 2017	22990	11521	34511	9	34520	5434550.00
13	January 2018	23233	8163	31396	2	31398	5364050.00
14	February 2018	12693	3716	16409	6	16415	2902600.00
15	March 2018	11572	1726	13298	6	13304	2655000.00
Total		183547	50060	233607	42	233649	41548150.00

Statement of expenditure of the zoo

Total Expenditure of Jungle Safari and Nandanvan Zoo April 2017 to March 2018

No.	Date	Meat	Fish	Chiken	Egg	Telepho ne	Electricity	Diesel/ maintana nce	Vehicle rent	Wild animals medicine/ safari	Wild animals food nandanvan	Wild animals medicine nandanvan	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Apr-17	3933966.00	0.00	0.00	0.00	0.00	788820.00	43596.00	0.00	0.00	557728.00	0.00	5324110.00
2	May-17	1170855.00	0.00	0.00	0.00	12532.00	126620.00	200623.00	962000.00	75438.00	618655.00	16440.00	3183163.00
3	Jun-17	1349601.00	12240.00	52850.00	0.00	0.00	0.00	109269.00	454000.00	0.00	718929.00	52212.00	2749101.00
4	Jul-17	737558.00	0.00	0.00	0.00	2848.00	217580.00	723862.00	1072500.00	0.00	637903.00	102586.00	3494837.00
5	Aug-17	0.00	0.00	0.00	0.00	0.00	36390.00	98142.00	0.00	0.00	651045.00	0.00	785577.00
6	Sep-17	3373431.00	32659.00	188302.00	1980.00	13279.00	35371.00	617034.00	0.00	42156.00	543511.00	42156.00	4889879.00
7	Oct-17	1465119.00	12600.00	51480.00	0.00	3763.00	30910.00	695300.00	14000.00	0.00	608457.00	0.00	2881629.00
8	Nov-17	1475486.00	10800.00	58050.00	1080.00	3689.00	453040.00	448283.00	0.00	69829.00	640483.00	0.00	3160740.00
9	Dec-17	2409691.00	22453.00	141373.00	1069.00	6607.00	227850.00	1295220.00	0.00	0.00	650519.00	0.00	4754782.00
10	Jan-18	1708010.00	12774.00	85536.00	0.00	15173.00	125730.00	1079503.00	0.00	666.00	718316.00	0.00	3745708.00
11	Feb-18	1243703.00	0.00	0.00	0.00	270.00	281790.00	878023.00	0.00	0.00	692687.00	0.00	3096473.00
12	Mar-18	0.00	0.00	0.00	0.00	0.00	217820.00	18703.00	0.00	0.00	706607.00	0.00	943130.00
	योग	18867420.00	103526.00	577591.00	4129.00	58161.00	2541921.00	6207558.00	2502500.00	188089.00	7744840.00	213394.00	39009129.00

Daily Feed Schedule of animals -

S.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
	lion (adult)	goat meat (Chevon)	12 kgs	9 kg	sunday
	lion (cubs)	goat meat (Chevon)	2.5 kgs	3.0 kg	sunday
	tiger (adult)	goat meat (Chevon)	12 kgs	9 kg	sunday
	tiger (cubs)	goat meat (Chevon)	3.5 kgs	5 kg	sunday
	leopard cubs	goat meat (Chevon)	2 kgs	3 kg	sunday
	tiger (adult)	khir milk banana, watermelon, papaya,and other seasonal fruits honey	250 gms , 500ml, 2 kg 100 ml twice a week	350 gms , 500ml, 2 kg 100 ml twice a week	sunday
	sambhar	ghreen fodderr concentrate mixture	10 kg 3 kg	12 kg 2 kg	
	nilgai	ghreen fodderr concentrate mixture	10 kg 3 kg	12 kg 2 kg	
	chital	ghreen fodderr concentrate mixture	5 kg 0.4 kg	4 kg 0.4 kg	
	Black buck	ghreen fodderr concentrate mixture	5 kg 0.4 kg	4 kg 0.4 kg	
	kotari	ghreen fodderr concentrate mixture	5 kg 0.4 kg	4 kg 0.4 kg	
	CROCODILE	CHICKEN FISH	2 kg once in a week 2 kg once in a week	2 kg once in a week 2 kg once in a week	

Vaccination Schedule of animals -

S.No	Species	Disease vaccinated for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
			Nil		

De-worming Schedule of animals

S.No	Species	Drug used	Month
1	Large carnivores	Tab - Praziplus	Feb, June, Oct
2	Sloth Bear	Tab. Albomar	Feb, June, Oct
3.	Herbivores	Bol. Albomar Bol. fasnil	Feb, June, Oct

Disinfection Schedule

S.No	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
	lion, tiger , sloth bear	safari and night enclosures and water tanks	phenyl and Bleaching Powder by cleaning and washing. water tanks are disinfected by lime paint	night enclosures on tuesday and friday kraal - last week of march june september december water tanks - weekly
	herbivores	safari and night enclosures and water tanks	phenyl and Bleaching Powder by cleaning and washing. water tanks are disinfected by lime paint	night enclosures on tuesday and friday kraal - last week of march june september december water tanks - weekly

Health check-up of employees for zoonotic diseases

S.No	Name	Designation	Date of Health check up	Findings of Health Check up
Nil				

Development Work carried out in the zoo during the year -

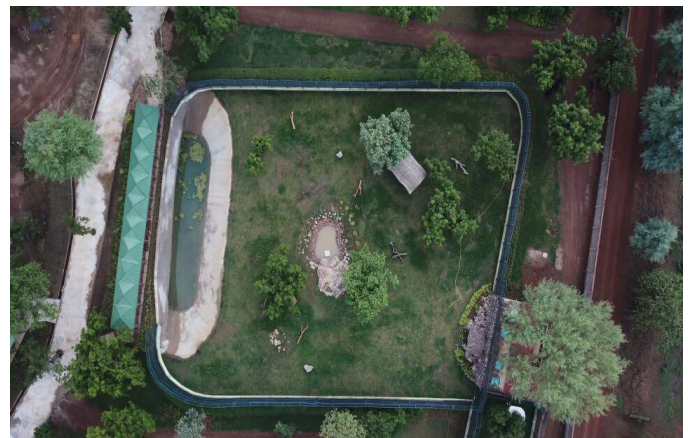
Royal Bengal Tiger Enclosure

Total Cost	- 197.52 lakh
Total Area	- 2430 SQM
CZA Approval	- 19-160/93-CZA(147)(Vol.II)(PKR)/1508/2017, dated 18.08.2017
Details of enclosure	- Paddock Area - 1945 SQM, DRY MOAT,



Lion Enclosure

Total Cost - 201.03 lakh
Total Area - 2550 SQM
CZA Approval - 19-160/93-CZA(147)(Vol.II)(PKR)/1508/2017, dated 18.08.2017
Details of enclosure - Paddock Area - 2511 SQM, DRY MOAT,



Leopard Enclosure

Total Cost	-	159.09 Lakh
Total Area	-	2070 SQM
CZA Approval	-	19-160/93-CZA(147)(Vol.II)(PKR)/1508/2017, dated 18.08.2017
Details of enclosure	-	Paddock Area - 1670 SQM, Tuffen Glass



White Tiger Enclosure

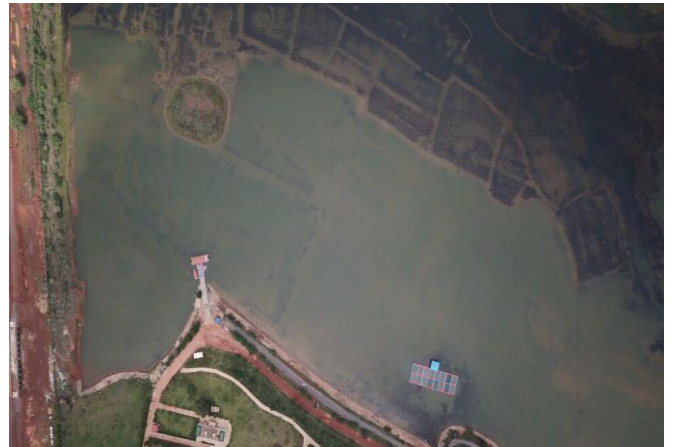
Total Cost	-	199. Lakh
Total Area	-	2590 SQM
CZA Approval	-	19-160/93-CZA(147)(Vol.II)(PKR)/1508/2017, dated 18.08.2017
Details of enclosure	-	Paddock Area - 1999 SQM, DRY MOAT



Tortoise Enclosure

Total Cost - 19.52 Lakh
Total Area - 70 SQM
CZA Approval - 19-160/93-CZA(147)(Vol.II)(PKR)/1508/2017, dated 18.08.2017





Education and Awareness

International Yoga day



Wild Life Week Prize Distribution



Jungle Safari Online Ticketing Inauguration



Events and happenings

DG, Forest Visit 20th Nov. 2017



DG, Forest Visit 20th Nov. 2017



Visit Shri S.K.Patnayak, Technical Advisor,



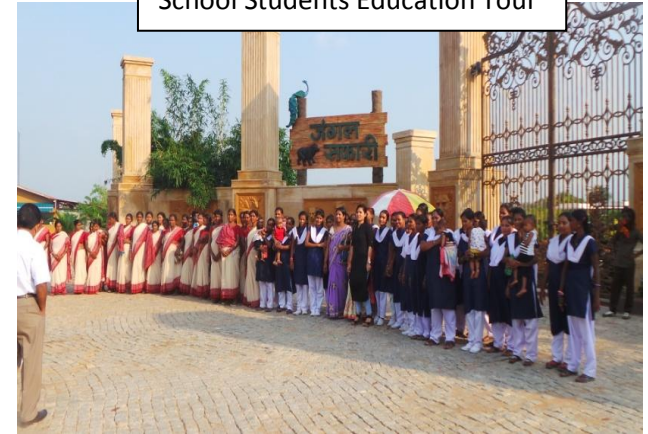
21/03/2018



Honorable Cm, Dr. Raman Singh Ji, 28/11/2017



School Students Education Tour



Mr. Suresh Raina, Cricketer India Tem



Jungle Safari VIP Visitors Books (2017-2018)

20/11/2017 Siddhant Sr. 943744222

Director General (Forest) Jungle Safari is developing as a
 Man of Env. Now I CC. please visit in the new capital.
 I have been very impressed and
 the atmosphere will be a treat to the
 eye. I have been in the park. I am
 sure this will develop as an important
 education land and a beauty spot.

for Mahesh

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
23/11/2017	Justice R.S. Jha H.C. of M.P.			A wonderful effort that needs to be appreciated and encouraged. The staff has put in a lot of effort to make it a success. Congratulations Sandeep
23/11/2017	Hon. R.N. Singh Srn. Advocate High Court of MP Former Advocate General, MP			We had wonderful time while visiting Jungle Safari and we are all happy and others looking forward in no words. I was looking for the visitors of animals. We were happy to see all animals and visit all animals. We had a great time. Sandeep

24 नवंबर 2017

बिनाउ वीकरा 8989792778 सोचान

आज मैं सोचा मैं नहीं पार करूँ
 मैं अतीत प्रवास परिकल्पित सोचों, 35
 यह संश्लेषण परिष्करण है पीर - आन्दोलन पर
 ऐसी अवस्था में मैं सरकारी प्रशासकों के बीच
 और नहीं सोचती। मैं मेहनत करूँ
 प्रशासन और विचारों में लोग मैं सोचती।
 प्रसन्न पर मैं नहीं हूँ। यद्यपि मैं सरकारी
 के लिए, निवेशन; अन्तर्गत मैं प्रचार-प्रसार।
 के लिए, प्रचार-प्रसार के लिए मैं सोचती।

बिनाउ वीकरा
24.11.2017

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
25 Nov, 2017	R. R. Shankle, Nat. Park, Kanwar	989574129	Kanpur	An excellent and futuristic initiative for conservation for people. An idea and efforts of dept in managing the park is needs appreciation. Good luck. 25/11/2017
25 Nov 2017	Shivom Chhabra National Medical Recharge, BSM	991101863	Bah	The place is full of nature beauty. More to be preserved & promoted to the level of dedicated in that has been put to conserve it. Can learn by forest guide. The highest grade & the roles have kept team. Good luck. Will visit again.

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
25th Nov	Harish khuram Spokeperson BCCI BJP	9711489242	biphansh khuram @ gmail . com	Fantastic Place. Unattainable Govt Specially Forest Dept has done remarkable job. Full of Natural beauty & staff of Spazi is good and taking personal pain to Develop it. Should be advertise as Tourist destination Pan India. All the best Bh. 25/11

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
8-12-2017	Dr. A. K. Singh PCCF (Rtd) D.I.P.	9422140544	singratat@gmail.com	This is wonderful advice taken by the forest department to develop the safari for educating public and promoting forage operation about wildlife and biodiversity conservation. This is still under development. Since City operation would be to see about zoological parks and safari developed in India and take it one step ahead of them. In future this would be most popular place in Raptur. All the best! A.K. Singh

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
17-12-2017	Chakrabarti S. Sij			The safari ride was exciting. The animal sightings at each check station was quite close experience. The staff was very courteous and I will inform you with the Jungle Safari all the details for the future and hope to come again and hope to learn more. Mammoth and Iplanki very well conceived and maintained. Inspired by the hospitality of the staff. M.S.

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
19/12/2017	Gaya Singh, A.D. TGNPA	9412901821	IGNFA, Bahadur	Selected place in our network for educational purpose.
30/12/2017	Ravi Prasad Sharma Judge High Court of Jharkhand	9425532579	A-4 Judge Colony Bilaspur	It was a wild life to class workshop event. I give my gratitude to forest dept. After seeing jungle safari I found that the beauty of a good Wildlife are free. After having this I feel keen to Jungle.
30/12/17	Justice R. L. Jha Former High Court Judge	9425550533	Friend Colony Sukhdevi, Bilaspur	All the sections are developed in systematic manner. Speculations should be taken to reduce dust and dirt while moving on wheels. Hospitality is very nice. Have a nice time. R.L. Jha
11-12-17	Alok Thurai BFO, Mahasamund	9435206192	alok.thurai1963@gmail.com	

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
14/01/2018	Kuldeep Yadav			I loved visiting the Jungle Safari, great job done by Chhatrapati Forest department. I will visit again. Thanks Kuldeep

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
20/11/17	Suresh Raina			Enjoyed Jungle Safari visit with entire W.P. Team. It was an exciting experience. Will like to comeback again, when ever I come to Raptur. Honored by having a safari in the Safari. Thanks Jharkhand Administration for the honor. c HERRS Suresh Raina

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
11/2/18	Ajay Singh			It was really nice to be here. Well maintained and good plan. Thanks you for great hospitality. Ajay Singh
11/2/17	PARAM JEET SINGH			Jungle safari is good and good looking. Param Jeet Singh
17/2/18	S. S. Sivasubramanian, IFS C/O KALKA TA	7598191315	freshshakti@yahoo.com	Great visit at the heart of natural India. Nice to visit Safari. Excellent effort by the department to showcase nature to the entire team. S.S. Sivasubramanian

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
	Kumar Dhawan			Thank you for a lovely weekend. I will return soon. Kumar Dhawan
	V.K. YADAV IFS APCCF & Member Secy (Rtd)			It's a wonderful experience. The overall concept is fantastic & very well implemented. Thanks for such experience. K. YADAV Well planned & implemented. Keeping V.K. YADAV IFS APCCF, V.P.R., L&O

Seasonal Special arrangement for upkeep of animals

Research work carried out and publications - Nil

Conservation Breeding Programme of the zoo -

For Conservation and breeding of state animal wild buffalo a modern breeding centre is established in 2.5 hec. area in jungle safari. This modern breeding centre will help in increasing dwindling population of wild buffalo.



Animal acquisition / transfer / exchange during the year -

A	Animals arriving in the zoo				
	H.No.	Species	Number (M:F)	From which zoo	Date of arrival in the zoo
	2	Lion	M 1: F 1	Kanan pendari Bilaspur	03.01.2018
B	Animals going from the zoo				
	H.No.	Species	Number (M:F)	Going to which zoo	Date of deposition from the zoo
	-Nil-				

Rescue and Rehabilitation of wild animals carried out by the zoo

Si. 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/ CAZ	Action Taken	
					Date and Place of rehabillaition in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	06.03.2017	Female Sambar Age 13 years		498, 09.03.2017	—	Old age
2	12.03.2017	Female Sambar Age 12 years		—	—	Old age
3	01.04.2017	Female peacock Age 05 years		—	—	Heat Stroke
4	05.04.2017	Female peacock Age 5½ years		—	—	dehydration
5	11.04.2017	Female Bear Age 04 Years	R.O., Pithora	518, 21.04.2017	—	Injury
6	15.04.2017	Male Bear Age 06 Years	DFO, Kanker	525, 22.04.2017	—	Heat Stroke
7	20.04.2017	Male peacock Age 03 Years		755, 24.05.2017	—	Pulmonary paralysis
8	23.04.2017	Male Black Buck Age 05 Years		—	—	Injury
9	07.06.2017	Male Spotted Deer Age 08 Years		—	—	Old age
10	07.06.2017	Male Blue bull Age 03 Years	DFO, Balod	859, 14.06.2017	—	
11	11.06.2017	Male Black Buck Age 04 Years		—	—	Injury
12	15.06.2017	Male Mongoose	Khamtarai Area Raipur	886, 20.06.2017	—	

13	15.06.2017	Male Spotted Deer Age 05 Years	D.D.Nagar, Raipur	889, 20.06.2017	—	
14	18.06.2017	Male Bear Age 02 Years		1002, 07.07.2017	—	Shock & asphyxia
15	13.07.2017	Male Sambar Age 5½ Years		2076, 25.07.2017	—	Pulmonary tuberculosis
16	13.07.2017	Female Spotted Deer		1087, 21.07.2017	—	
17	15.10.2017	Male Hyena Age 03 Years	R.O. Rajnandgavon	3420, 25.10.2017	—	
18	11.10.2017	Female Lion Age (Cub)		3379, 13.10.2017	—	
19	13.10.2017	Male Fox (Cub) Age 08 month		3419, 25.10.2017	—	
20	30.11.2017	Female Bear (Cub)		121, 15.01.2018	—	
21	06.12.2017	Male Barking Deer (Cub) Age 03 month		115, 15.01.2018	—	
22	06.12.2017	Female Spotted Deer Age 02 Years	R.O. Rajnandgavon	3705, 21.12.2017	—	
23	14.12.2017	Male Bear (Cub) Age 02 Days		119, 15.01.2018	—	
24	27.12.2017	Male Spotted Deer (Cub) Age 15 days		125, 15.01.2018	—	
Year 2018						
1	07.01.2018	Owl	Raipur	129, 15.01.2018	—	
2	06.01.2018	Male Four Horned Age 5½ Years		111, 15.01.2018	—	
3	08.01.2018	Male peacock Age 05 Years	DFO, Kanker	113, 15.01.2018	—	
4	14.01.2018	Male Mongoose Age 06 Years		—	—	
5	16.01.2018	Parrot Age 10 years		—	—	
6	16.01.2018	Male Spotted Deer Age 03 Years	DFO, Khairagarh	1391, 05.06.2018	—	
7	16.01.2018	Deer		—	—	
8	28.02.2018	Male Spotted Deer Age 05 Years	SDO, Nagri	560, 07.03.2018	—	
9	03.03.2018	Male Mongoose Age 06 years	Sunita Park, Raipur	563, 07.03.2018	—	

10	03.03.2018	Male Parrot Age (03 No.)	R.o. Gariyaband	573, 08.03.2018	—	
11	05.03.2018	Male Parrot Age (02 No.)	R.o. Gariyaband	573, 08.03.2018	—	
12	24.03.2018	male Spotted Deer (Cub) Age 01 Years	R.O. Nagri	804, 04.04.2018	—	

Mortality of Animals

Si. No.	Animal Name (With Individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
1	Sambar Age 13 years	<i>Rusa unicolour</i>	Female	06.02.2017	Old Age
2	Sambar Age 12 Years	<i>Rusa unicolour</i>	Female	12.03.2017	Old Age
3	peacock Age 05 Year	<i>Pavo cristatus</i>	Female	01.04.2017	Heat Stroke
4	peacock Age 5½ Years	<i>Pavo cristatus</i>	Female	05.04.2017	Dehydration
5	Bear Age 04 Years	<i>Melursus Urisinus</i>	Female	12.04.2017	Injury
6	Bear Age 06 Years	<i>Melursus Urisinus</i>	Male	16.04.2017	Heat Stroke
7	peacock Age 03 Years	<i>Pavo cristatus</i>	Male	20.04.2017	Pulmonary paralysis
8	Black buck 05 Years	<i>Antilope Cervicapra</i>	Female	23.04.2017	Injury
9	Spotted Deer Age 08 Years	<i>Axis Axis</i>	Male	07.06.2017	Old Age
10	Blue Bull Age 03 years	<i>Boselaphus tragocamelus</i>	Male	07.06.2017	-
11	Black buck Age 04 Years	<i>Antilope Cervicapra</i>	Male	11.06.2017	Injury
12	Mongoose	Herpestidae	Male	-	-
13	Spotted Deer Age 05 Years	<i>Axis Axis</i>	Female	-	-
14	Bear Age 02 Years	<i>Melursus Urisinus</i>	Male	18.06.2017	Shock & asphyxia
15	Sambar Age 5½ Year	<i>Rusa unicolour</i>	Male	14.07.2018	Pulmonary tuberculosis
16	Spotted Deer	<i>Axis Axis</i>	Female		
17	Hyena 03 Years		Male	15.10.2017	
18	Lion (Cub)	<i>Panthera Leo Persica</i>	Female	-	
19	Fox (Cub) Age 08 Month		Male	13.10.2017	

20	Bear (Cub)	<i>Melursus Urisinus</i>	Female	30.11.2017	
21	Barking Deer (Cub) Age 03 Month	<i>Muntiacus muntjak</i>	Female	06.12.2017	
22	Spotted Deer Age 02 Years	<i>Axis Axis</i>	Female	06.12.2017	
23	Bear (Cub) Age 02 Days	<i>Melursus Urisinus</i>	Female	14.12.2017	
24	Spotted Deer (Cub) Age 15 day	<i>Axis Axis</i>	Female	27.12.2017	
Year 2018					
	Owl			-	
	Four Horned Antelope Age 5½ Years		Male	06.01.2018	
	Peacock Age 05 Years	<i>Pavo cristatus</i>	Male	08.01.2018	
	Mongoose age 06 Years		Male	14.01.2018	
	Parrot Age 10 Years		Female	16.01.2018	
	Spotted Deer Age 03 Years	<i>Axis Axis</i>	Female	16.01.2018	
	Barking Deer	<i>Muntiacus muntjak</i>		-	
	Spotted Deer Age 05 Years	<i>Axis Axis</i>	Male	01.03.2018	
	Mongoose age 06 Years		Male	03.03.2018	
	Parrot Age (03 No.)		Male	03.03.2018	
	Parrot Age (02 No.)		Male	05.03.2018	
	Spotted Deer Age (Cub) 01 Month	<i>Axis Axis</i>	Male	24.03.2018	

Status of the Compliance with conditions stipulated by the Central Zoo Authority

S No.	Norm No.	Violation of Recognition of Zoo Rules, 2009	Time period to rectify	कार्य की स्थिति
3. Development and Planning				
1	10.3(7)	The Zoo operator should develop isolation and quarantine at the safaris developed at relocated site (Naya Raipur) and failed to observe the standard protocols before bringing new animals to the Safaris	Six months	yes Now we are following the standard protocols.
5. Upkeep an dhealthcare of animals				
2	10.5 (10)	The Zoo should prepare and maintain keeper's diary for each Safari section.	With immediate effect	yes keeper's dairy are updated and maintained
3	10.5 (10) and 10.7(2)	The zoo should prepare and maintain records pertaining to Treatment. Vaccination, De-worming, Animal diet, The post-mortem Reports should be maintained in format prescribed by the CZA.	With immediate effect	Yes said records are updated and maintained as per CZA's prescribed format
9. Acquisition an dbreeding of Animals				
4	10.9(8)	The zoo operator should prepare and maintain individual Animal History Card and Herd Sheet for herbivores as prescribed by the CZA The same	With immediate effect	Yes Prepared
12. Visitor Facilities				
5	10.12(2)	The Jungle Safari should keep Anti-snake Venom and First Aid Kit available at the entry or any designated place	With immediate effect	Yes First Aid kit & Anti snake venom are available at the entrance ate office.

It is to inform that following are other conditions stipulated based on recommendation of the evaluation officer.

S No.	Norm No.	CONDITIONS	Time Required to comply	कार्य की स्थिति
1.General requirements				
1	10.1(7)	The plastic waste lying inside the safari area of Tiger. Herbivore as Well as in the Sloth bear Safari area should be removed.	With immediate effect	Removed and now maintaining polythene free zone
2	10.2(9)	The rabbits housed together with peafowl should be removed. The rabbits should not be housed in the zoo premises.	With immediate effect	Yes, removed
3. Development and planning				
3	10.3 (3)	The area lying almost in the centre of the Jungle Safari, belonging to private person should not be marked as Eco cum Biodiversity Park and Fodder Production Area, since it does no belong to Safari Park.	With immediate effect	The disputed area is under revenue trial and area received so accordingly prepare the Master (Layout) Plan.
4	10.3(3) and 10.4(8)	The animals housed in old site of the zoo i.e. Nandan Van Zoo in Raipur should be shifted to the Nandanvan Jangle Safari, Naya Raipur. Following the approved Master (Layout) Plan and Master Plan of the CZA and after creating the appropriate housing facilities. For developing housing facilities at the Jungle Safari, the prior approval from the CZA should be obtained for	With immediate effect	Till now, we have received approval for 5 enclosures and the rest of the drawings of animal exhibils have been send to CZA by letter no. F.No.31-3/2017- CZA/2949/2018, Date

		the drawings of animal exhibits with respect to species listed in Schedule I and Schedule II of the Wildlife(Protection) Act. 1972.		16.04.2018
5	10.3(7)	Large number of rescued Parakeet belonging to various species are housed together. They should be released following the guidelines prescribed by the CZA in the matter or shifted to other recognized zoos having housing facility.	With immediate effect	Has been done
4. Animal housing, display of animals and animal enclosures				
6	10.4(1&2)	Efforts should be made to camouflage fencing of the Safari which is visible from the Safari vehicle, by appropriate green cover.	Three months	Four rows of plantation has been done around each safari
7	10.4(1&2)	In Herbivore Safari, the kraal is visible to the visitors. It should also be camouflaged with appropriate green cover.	Three months	Painted by green colour.
8	10.4(3)	The gate to enter kraal in Tiger Safari should have chain link mesh towards Keeper's gallery for the safety of zoo personnel.	Six months	work has been done
9	10.4(10)	The signage provided inside the Tiger Safari stating visitor Path, Water Body should be removed to allow natural feelings inside Safari. The guide in the vehicle may explain to visitors about the water body and its importance.	With immediate effect	Removed
5. Upkeep and healthcare of animals				
10	10.5(3)	The feed preparation area developed next to animal houses in Sloth bear Safari should be shifted away, as most bears stay near the feed preparing area whole day waiting for the food. Thus the food should be cooked in the Central Kitchen and it should be brought to Sloth bear enclosure, during their feeding hours only.	With immediate effect	Yes, Followed
6. Veterinary and infrastructure facilities				
11	10.6(1)	The floor of the Operation Theatre should have rounded corner, to prevent the waste blood and other bio material adhering to the corners on the floor.	Three months	
12	10.6(1)	The Veterinary Hospital wing of the safari should be strengthened, following the mandatory provisions laid under Recognition of Zoo Rules, 2009.	Three months	
12	10.6(6)	The Veterinary Officers working with the Safari may be sent for exposure visit to other large recognized zoos in India and abroad.	-	Veterinary officer have been sent to Sri Chamarjendra Zoological Gardens Mysore zoo, Indira Gandhi Zoological Park Andhra Pradesh & Nandankanan Zoological Park Bhubaneswar
14	10.12(1)	The Safari should have adequate number of public toilets, water drinking points located at appropriate location, with facilities for Divyang visitors also.	Three months	Yes
12. Visitor Facilities				
16	10.12(3)	The zoo should make arrangements for providing access to the handicapped person (Divyang) for viewing wild animals at various animal enclosures.	Six month	i. Ramp prepared ii. Reserved seats in the buses for Divyang
Other conditions:				

15	---	Old site i.e. Nandan van Zoo. Raipur should be closed to visitors and all animals should be shifted to new site.	With immediate effect	10 enclosures of animal exhibits construction work has been sanctioned through campa fund and works are in progress. Rest of the 27 enclosures of animal exhibit's drawing, designs have been submitted and APPCF (wildlife). After completion of the construction work of enclosures, animals from old site would be shifted to the new site.
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Annual Inventory of animals

From -II

(See Rule 11 (1))

Part - A

Inventory Report for the Year

Performa for Quarterly Inventory Report (Nandanvan Jungle Safari Raipur)

Inventory report for the month: 01/01/2018 To 31/03/2018

Nandanvan Zoo Raipur

Endangered Species: Tiger, Lion, Leopard, Bear, Python.

S.N	Animal name	Scientific name	Opening stock as on 01/01/2018				Births			Acquisitions			Disposals			Deaths			Closing stock as on 31/03/2018			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T
Bird																						
1	Pheasant Golden	<i>Chrysolophus pictus</i>	2	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4
2	Peafowl	<i>Pavo cristatus</i>	5	5	-	10	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	10
3	Emu	<i>Dromaius novaehollandiae</i>	3	2	3	8	-	-	-	-	-	-	-	-	-	-	-	-	3	2	3	8
4	Cockatiel	<i>Nymphicus hollandicus</i>	-	-	47	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47	47
5	Parakeet Rose ring	<i>Psittacula krameri</i>	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50
6	Parakeet Alexandrine	<i>Psittacula eupatria</i>	-	-	6	6	-	-	-	-	11	-	-	-	-	-	5	-	-	-	12	12
7	Parakeet Moustached	<i>Psittacula Alexandri fasciata</i>	1	1	2	4	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	4
8	Budgerigar	<i>Melopsittacus undulatus</i>	-	-	14	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14
9	Love birds	<i>Agapornis</i>	-	-	29	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29	29
10	Owl Barn	<i>Tyto alba</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
Total Birds			11	10	154	175	0	0	0	0	0	11	0	0	0	0	0	5	11	10	160	181
Mammal																						
1	Tiger Bengal	<i>Panthera Tigris Tigris</i>	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
2	Lion Indian	<i>Panthera leo persica</i>	1	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	3	-	-	3
3	Leopard (Panther)	<i>Panthera pardus</i>	8	2	-	10	-	-	-	1	-	-	-	-	-	-	-	-	9	2	-	11
4	Hyaena Stripped	<i>Hyaena hyaena</i>	2	2	-	4	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4
5	Civet Common Palm – Cat Toddy	<i>Paradoxurus hermaphrodites</i>	-	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-	1	2
6	Jackal	<i>Canis aureus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
7	Fox Common	<i>Vulpes bengalensis</i>	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4
8	Bear Himalayan Black	<i>Ursus thibetanus</i>	1	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2
9	Bear Sloth (Albino)	<i>Melursus ursinus</i>	1	1	1	3	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	3
10	Deer Spotted (Chital)	<i>Axis axis</i>	31	25	19	75	-	-	5	-	-	-	-	-	-	1	-	-	30	25	24	79
11	Black buck (Krishna Mrig)	<i>Antelope cervicapra</i>	8	8	4	20	-	-	2	-	-	-	-	-	-	-	-	-	8	8	6	22
12	Nilgai - Blue bull	<i>Boselaphus tragocamelus</i>	4	1	2	7	-	-	-	-	-	-	-	-	-	-	-	-	4	1	2	7
13	Antelope Four Horned (Chowsingha)	<i>Tetracerus quadricornis</i>	10	8	1	19	-	-	1	-	-	-	-	-	-	1	-	-	9	8	2	19
14	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	1	5	2	8	-	-	2	-	-	-	-	-	-	-	-	-	1	5	4	10

15	Deer Sambar	<i>Rusa unicolor</i>	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2			
16	Macaque Rhesus	<i>Macaca mulatta</i>	10	13	9	32	-	-	-	-	-	-	-	-	-	-	1	-	-	9	13	9	31	
17	Langur Common	<i>Semnopithecus entellus</i>	2	1	-	3	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	3		
18	Porcupine (albino)	<i>Hystrix indica</i>	-	-	7	7	-	-	2	-	-	-	-	-	-	-	-	-	-	-	9	9		
Total Mammal			82	69	50	201	0	0	12	4	0	0	0	0	0	0	3	0	0	83	69	62	214	
Reptiles																								
1	Python Indian-Rock	<i>Python molurus</i>	-	-	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	12		
2	Crocodile Marsh (Mugger)	<i>Crocodilus palustris</i>	-	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6		
3	Turtle Fresh Water/Indian Soft Shelled	<i>Lissemys punctata punctata</i>	-	-	10	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	10		
4	Tortoise Indian Star	<i>Geochelone elegans</i>	1	1	9	11	-	-	-	-	-	-	-	-	-	-	-	1	1	9	9	11		
5	Tortoise Elephantine	<i>Aldabrachelys gigantea</i>	-	-	28	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28	28		
6	Monitor water lizard	<i>Varanus salvator</i>	-	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3		
Total Reptile			1	1	68	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	68	70
Total Animals			94	80	272	446	0	0	12	4	0	11	0	0	0	0	3	0	5	95	80	290	465	
Jungle Safari Raipur																								
Bird																								
1	Peafowl	<i>Pavo cristatus</i>	7	11	0	18	-	-	-	-	-	-	-	-	-	-	-	-	-	7	11	0	18	
Total Birds			7	11	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	11	0	18
Mammal																								
2	Tiger Bengal	<i>Panthera Tigris Tigris</i>	4	3	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	4	3	-	7	
3	Lion Indian	<i>Panthera Leo Persica</i>	4	3	-	7	-	-	-	1	1	-	2	-	-	-	-	-	-	3	4	-	7	
4	Panther	<i>Panthera pardus</i>	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-	-	-	-	2	-	2	
5	Bear Sloth	<i>Melursus Urisinus</i>	3	2	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	-	5	
6	Deer Spotted (Chital)	<i>Axis Axis</i>	29	59	4	92	2	5	13	-	-	-	-	-	-	-	-	-	-	35	64	13	112	
7	Black buck (Krishna Mrig)	<i>Antilope Cervicapra</i>	10	4	1	15	-	-	1	-	-	-	-	-	-	-	-	-	-	10	4	2	16	
8	Nilgai - Blue bull	<i>Boselaphus tragocamelus</i>	2	7	2	11	-	7	-	1	-	-	-	-	-	-	-	-	-	4	15	-	19	
9	Deer Barking (Kakar)	<i>Muntiacus muntjak</i>	3	4	-	7	-	-	-	-	-	1	-	-	-	-	-	-	1	3	4	-	7	
10	Deer sambar	<i>Rusa unicolor</i>	2	4	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	-	6	
Total Mammal			57	86	7	150	2	12	14	2	4	1	3	0	0	0	0	0	1	64	102	15	181	
Reptiles																								
10	Crocodile Marsh (Mugger)	<i>Crocodilus palustris</i>	5	4	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	5	4	-	9	
Total Reptiles			5	4	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	5	4	0	9	
Total Animals			69	101	7	177	2	12	14	2	4	1	3	0	0	0	0	0	1	76	117	15	208	
Nandanvan Jungle safari (Total Animals)			163	181	279	623	2	12	26	6	4	12	3	0	0	3	0	6	171	197	305	673		

टीप :-

2 - टायगर सफारी में टायगर के तीन बच्चों का जन्म 07.06.2017 को हुआ है।

3 - लॉयन सफारी में लॉयन के बच्चों का जन्म 06.10.2017 को हुआ है।

List of free living wild animals within the zoo premises

- a. Mammals
- b. Birds
- c. Reptiles

Table.3. Area wise Avian checklist of Nandan Van Zoo and Jungle Safari area, Naya Raipur, Chhattisgarh, December 2015 to January 2016.

S.N.	Common Name	Family Name	Scientific Name	Range	HE	BE	TE	WS	O
1	Purple Heron	Ardeidae	<i>Ardea purpurea</i>	Resident	0	0	0	1	0
2	Grey Heron	Ardeidae	<i>Ardea cinerea</i>	Resident	0	0	0	1	0
3	Great Egret	Ardeidae	<i>Casmerodius albus</i>	Resident	0	0	0	1	0
4	Intermediate Egret	Ardeidae	<i>Mesophoyx intermedia</i>	Resident	0	0	0	1	0
5	Cattle Egret	Ardeidae	<i>Bubulcus ibis</i>	Resident	0	0	0	1	1
6	Indian Pond Heron	Ardeidae	<i>Ardeola grayii</i>	Resident	0	0	0	1	0
7	Asian Openbill Stork	Ciconiidae	<i>Anastomus oscitans</i>	Resident	0	0	0	1	0
8	Little Cormorant	Phalacrocoracidae	<i>Thalacrocorax niger</i>	Resident	0	0	0	1	0
9	White Eye Buzzard	Accipitridae	<i>Buteo teesa</i>	Resident	0	0	0	0	1
10	Black Kite	Accipitridae	<i>Milvus migrans</i>	Resident	0	0	0	0	1
11	Shikra	Accipitridae	<i>Accipiter badius</i>	Resident	0	0	0	0	1
12	Black Winged Kite	Accipitridae	<i>Elanus caeruleus</i>	Resident	0	0	0	0	1
13	Grey Francolin	Phasianidae	<i>Francolinus pondicerianus</i>	Resident	0	0	0	1	1
14	Bronze winged Jacanna	Jacaniidae	<i>Metopidius indicus</i>	Resident	1	0	0	1	1
15	White Breasted Waterhen	Rallidae	<i>Amaurornis phoenicurus</i>	Resident	0	0	0	1	0
16	Little Ringed Plover	Charadriidae	<i>Charadrius dubius</i>	Resident	0	0	0	1	0
17	Common Green Shank	Scolopacidae	<i>Tringane bularia</i>	Migratory	0	0	0	1	0
18	Spotted Dove	Columbidae	<i>Spilopelia chinensis</i>	Resident	0	0	0	0	1
19	Eurasian collared Dove	Columbidae	<i>Streptopelia decaocta</i>	Resident	0	0	0	0	1
20	Laughing Dove	Columbidae	<i>Spilopelia senegalensis</i>	Resident	0	0	0	0	1
21	Rose Ringed Parakeet	Psittaculidae	<i>Psittacula krameri</i>	Resident	0	0	0	0	1
22	Plum Headed Parakeet	Psittaculidae	<i>Psittacula cyanocephala</i>	Resident	0	0	0	0	1
23	Greater Coucal	Cuculidae	<i>Centropus sinensis</i>	Resident	1	1	1	1	1
24	Asian Koel	Cuculidae	<i>Eudynamis scolopacea</i>	Resident	0	0	0	0	1
25	Indian Eagle Owl	Strigidae	<i>Bubo (bubo) bengalensis</i>	Resident	1	0	0	1	0
26	Spotted Owlet	Strigidae	<i>Athene brama</i>	Resident	1	0	0	0	0
27	Mottled wood owl	Strigidae	<i>Strix ocellata</i>	Resident	1	0	0	0	0
28	Barn Owl	Strigidae	<i>Tyto alba</i>	Resident	1	1	1	1	1
29	Indian Roller	Coraciidae	<i>Coracias benghalensis</i>	Resident	1	1	1	1	1
30	Common Kingfisher	Alcedinidae	<i>Alcedo atthis</i>	Resident	0	0	0	1	0
31	White Throated Kingfisher	Alcedinidae	<i>Halcyon smyrnensis</i>	Resident	0	0	0	1	0
32	Pied Kingfisher	Alcedinidae	<i>Ceryle rudis</i>	Resident	0	0	0	1	0
33	Green Bee Eater	Meropidae	<i>Merops orientalis</i>	Resident	1	1	1	1	1
34	Coppersmith Barbet	Capitonidae	<i>Megalaima haemacephala</i>	Resident	1	1	1	0	1
35	Common Hoopoe	Upupidae	<i>Upopa epops</i>	Resident	0	0	0	0	1
36	Indian Grey Hornbill	Bucerotidae	<i>Ocyrceros birostris</i>	Resident	0	0	0	0	1
37	Brown Capped Pygmy Woodpecker	Picoides	<i>Dendrocopos nanus</i>	Resident	1	0	0	0	0
38	Wire tailed Swallow	Hirundinidae	<i>Hirundo smithii</i>	Resident	1	1	1	1	1
39	Barn Swallow	Hirundinidae	<i>Hirundo rustica</i>	Migratory	1	1	1	1	1
40	Black Drongo	Dicruridae	<i>Dicrurus macrocerus</i>	Resident	1	1	1	1	1
41	Long tailed Shrike	Laniidae	<i>Lanius schach</i>	Partially Migratory	1	1	1	1	1

S.N.	Common Name	Family Name	Scientific Name	Range	HE	BE	TE	WS	O
42	Common Myna	Sturnidae	<i>Acridotheres tristis</i>	Resident	0	0	0	0	1
43	Brahmany Starling	Sturnidae	<i>Temenuchus pagodarum</i>	Resident	0	0	0	0	1
44	Asian Pied Starling	Sturnidae	<i>Gracupica contra</i>	Resident	0	0	0	0	1
45	House Crow	Corvidae	<i>Corvus splendens</i>	Resident	0	0	0	0	1
46	Red vented Bulbul	Pycnonotidae	<i>Pycnonotus cafer</i>	Resident	1	1	1	1	1
47	Jungle Babbler	Leiothrichidae	<i>Turdoides striata</i>	Resident	0	0	1	0	0
48	Indian Robin	Muscicapidae	<i>Saxicoloides fulicatus</i>	Resident	1	1	1	1	1
49	Oriental Magpie Robin	Muscicapidae	<i>Copsychus saularis</i>	Resident	0	0	0	0	1
50	Yellow wagtail	Motacillidae	<i>Motacilla flava</i>	Migratory	0	0	0	1	1
51	White Browed Wagtail	Motacillidae	<i>Motacilla maderaspatensis</i>	Resident	0	0	0	1	0
52	White wagtail	Motacillidae	<i>Motacilla alba</i>	Migratory	0	0	0	1	0
53	Purple Sunbird	Nectariniidae	<i>Cinnyris asiaticus</i>	Resident	1	1	1	1	1
54	Purple Rumped Sunbird	Nectariniidae	<i>Leptocoma zeylonica</i>	Resident	1	1	0	0	0
55	Red Avadavat	Estrildidae	<i>Amandava amandava</i>	Resident	1	1	1	1	1
56	Scaly Breasted Munia	Estrildidae	<i>Lonchura punctata</i>	Resident	1	1	1	1	1
57	Indian Silverbill	Estrildidae	<i>Eudice malabarica</i>	Resident	0	0	0	0	1
58	Baya Weaver	Ploceidae	<i>Ploceus philippinus</i>	Resident	1	0	0	0	0
59	House Sparrow	Passeridae	<i>Passer domesticus</i>	Resident	1	1	1	1	1
60	Plain Prinia	Cisticolidae	<i>Prinia inornata</i>	Resident	1	1	1	1	1
61	Bluethroat	Muscicapidae	<i>Luscinia svecica</i>	Migratory	0	0	0	1	0
62	Common Chiffchaff	Phylloscopidae	<i>Phylloscopus collybita</i>	Migratory	0	0	0	1	0
63	Ashy Crowned Sparrow lark	Aludidae	<i>Eremopteryx griseus</i>	Resident	0	0	0	0	1
64	Richard's Pipit	Motacillidae	<i>Anthus richardi</i>	Migratory	0	0	0	1	0
65	Red Wattled Lapwing	Charadriidae	<i>Vanellus indicus</i>	Resident	1	1	0	1	0
66	Yellow-wattled Lapwing	Charadriidae	<i>Vanellus malabaricus</i>	Resident	0	0	0	1	1
67	Common Sandpiper	Scolopacidae	<i>Actitis hypoleucos</i>	Migratory	0	0	0	1	0
68	Wood Sandpiper	Scolopacidae	<i>Tringa glareola</i>	Migratory	0	0	0	1	0
69	Indian Golden oriole	Oriolidae	<i>Oriolus kundoo</i>	Resident	1	0	0	0	0
70	Indian Spot-billed Duck	Anatidae	<i>Anas poocillorhyncha</i>	Resident	0	0	0	1	0
71	Common Teal	Anatidae	<i>Anas crecca</i>	Migratory	0	0	0	1	0
72	Black Redstart	Muscicapidae	<i>Phoenicurus ochruros</i>	Migratory	0	0	0	0	1
73	Indian Nightjar	Caprimulgidae	<i>Caprimulgus asiaticus</i>	Resident	0	0	0	0	1
74	Paddyfield Warbler	Sylviidae	<i>Acrocephalus agricola</i>	Migratory	0	0	0	1	0
75	Asian Paradise Fly-catcher	Muscicapidae	<i>Terpsiphone paradisi</i>	Resident	0	1	0	0	0
76	Little Swift	Apodidae	<i>Apus affinis</i>	Resident	1	0	0	0	0

HE* Herbivore Enclosure, BE* Bear Enclosure, TE* Tiger Enclosure, WS* Wetland and Surrounding areas, O* Outer areas, 1* Presence, 0* Absence



Purple Heron



Grey Heron



White Eye Buzzard



Black Kite



Great Egret



Intermediate Egret



Shikra



Black Winged Kite



Cattle Egret



Indian Pond Heron



Grey Francolin



Bronze winged Jacanna



Asian Openbill Stork



Little Cormorant



White Breasted Waterhen



Little Ringed Plover



Common Green Shank



Spotted Dove



Indian Eagle Owl



Spotted Owlet



Eurasian collared Dove



Laughing Dove



Mottled wood owl



Barn Owl



Rose Ringed Parakeet



Plum Headed Parakeet



Indian Roller



Common Kingfisher



Greater Coucal



Asian Koel



White Breasted Kingfisher



Pied Kingfisher

Table.4. Checklist of Mammalian fauna observed during the short term survey in Jungle Safari of Naya Raipur area, Chhattisgarh, from December 2015 to January 2016.

Sl. No.	Common Name	Family Name	Scientific Name
1.	Wild boar	Suidae	<i>Sus scrofa</i>
2.	Northern Plains Gray Langur	Cercopithecidae	<i>Semnopithecus entellus</i>
3.	Indian Fox	Canidae	<i>Vulpes bengalensis</i>
4.	Common Palm Civet	Viverridae	<i>Paradoxurus hermaphrodites</i>
5.	Indian Grey Mongoose	Herpestidae	<i>Herpestes edwardsii</i>
6.	House Shrew	Soricidae	<i>Suncus murinus</i>
7.	Indian Field Mouse	Muridae	<i>Mus booduga</i>
8.	House Mouse	Muridae	<i>Mus musculus</i>
9.	Three Striped Palm Squirrel	Sciuridae	<i>Funambulus palmarum</i>
10.	Indian Flying Fox	Pteropodidae	<i>Pteropus giganteus</i>
11.	Black bearded Tomb Bat	Emballonuridae	<i>Taphozous melanopogon</i>
12.	Indian Hare	Leporidae	<i>Lepus nigricollis</i>

Twelve different species of mammals were found in the Jungle Safari area. During the current survey local villagers were asked for other mammalian species and as per their observation Striped Hyena *Hyaena hyaena* of Hyaenidae and Indian Jackal *Canis aureus* of Canidae were present in the area though observers did not find any evidence of these two species.



Wild Boar



Northern Plains Gray Langur



Indian Fox



Common Palm Civet



Indian Grey Mongoose



House Shrew



Indian Field Mouse



House Mouse



Three Striped Palm Squirrel



Indian Flying Fox



Black bearded Tomb Bat



Indian Hare

Table.5. Checklist of Reptilian fauna observed during the short term survey in Jungle Safari of Naya Raipur area, Chhattisgarh, from December 2015 to January 2016.

Sl. No.	Common Name	Hindi Name	Family	Scientific Name
1	Brahminy Worm Snake	Samanya Kit Sanp	Typhlopidae	<i>Ramphotyphlops braminus</i>
2	Indian Rock Python	Bharatiya Azgar	Pythonidae	<i>Python molurus</i>
3	Common Sand Boa	Khurdura Dum Boa	Boidae	<i>Eryx conicus</i>
4	Common Trinket Snake	Samanya Abhushit Sanp	Cloubriidae	<i>Coelognathus helena</i>
5	Indian Rat Snake	Bharatiya Dhaman	Cloubriidae	<i>Ptyas mucosa</i>
6	Banded Racer	Dhawak	Cloubriidae	<i>Argyrogena fasciolata</i>
7	Common Kukri Snake	Kukri Sanp	Cloubriidae	<i>Oligodon arnensis</i>
8	Common Wolf Snake	Samanya Koriyala sanp	Cloubriidae	<i>Lycodon aulicus</i>
9	Checkered Keelback	Dhoriya Sanp	Cloubriidae	<i>Xenochrophis piscator</i>
10	Striped Keelback	Pattedar Dhoriya	Cloubriidae	<i>Amphiesma stolatum</i>
11	Common Krait	Samanya Krait	Elapidae	<i>Bungarus caeruleus</i>
12	Spectacled Cobra	Bharatiya Nag	Elapidae	<i>Naja, naja</i>
13	Russell's Viper	Ghodas	Viperidae	<i>Daboia russelii</i>
14	Indian Flap-shell Turtle	Kachua	Trionychidae	<i>Lissemys punctata</i>
15	Bengal Monitor Lizard	Goh	Varanidae	<i>Varanus bengalensis</i>
16	Oriental Garden Lizard	Girgit	Agamidae	<i>Colotes versicolor</i>
17	Asian House Gecko	Chhipkali	Gekkonidae	<i>Hemidactylus frenatus</i>
18	Forest Grass Skink	NA	Scincidae	<i>Eutropis carinata</i>

All these 18 detected species of 11 different reptile families were represented in a single list because they were more or less equally distributed throughout the Jungle safari area. Of these 18 species, Indian rock python and Indian flap-shell turtle belonged to Schedule-I category of Indian Wildlife (Protection) Act, 1972.



Common Sand Boa



Common Trinket Snake



Common Krait



Spectacled Cobra



Indian Rat Snake



Banded Racer



Russell's Viper



Indian Flap-shell Turtle



Common Kukri Snake



Common Wolf Snake



Bengal Monitor Lizard



Oriental Garden Lizard



Checkered Keelback



Striped Keelback



Asian House Gecko



Forest Grass Skink