

The background of the entire cover is a vibrant, stylized illustration of a jungle. It features large, dark green leaves with prominent veins, some in shades of purple and blue. Interspersed among the foliage are bright yellow and orange elements, possibly representing sunlight filtering through the canopy or specific types of tropical plants. The overall color palette is warm and saturated, creating a lush and inviting atmosphere.

NANDANVAN JUNGLE SAFARI



NAYA RAIPUR, CHHATTISGARH
ANNUAL REPORT 2017-18



“

*Look deep into nature and
you will understand everything better.*



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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 colorful 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 Jungle 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 thank the dedicated and sincere staff of Nandanvan Jungle Safari - Animal Keepers, Booking Clerks, Drivers, Guides, Security staff, Field staff, Gardeners, Forest guards, Foresters, Deputy Rangers, Rangers and Assistant Director for their work towards development and creation of the jungle safari.

I would also like to extend my sincere thanks to our PCCF (Wildlife), APCCF (Wildlife) and CCF (Wildlife) for the constant support and guidance.

I welcome you to Nandandanvan Jungle 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, Naya Raipur

HISTORY

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 2008, CZA (Central Zoo Authority) granted the status of a mini zoo to Nandanvan. It's been the paramount attraction for the people of Raipur.



In November 2000, after creation of Chhattisgarh, state government formalized plans for development of a new capital city, Naya Raipur. The NRDA (Naya Raipur Development Authority), 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 (CAMPA) attended (letter no. 491123617(1)1 31/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)/31IEnviroflmeNRDN2°t 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 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 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 joint efforts of 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 an 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, 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 Nandanvan Jungle Safari at Naya Raipur.

A decorative border of stylized orange leaves and teardrop shapes surrounds the central text blocks.

MISSION

Marshal communities towards conservation of wildlife through actions that foster people participation - for conservation, breeding & exemplary animal welfare & care.

OBJECTIVE

- Provide a **steadfast conservation** & research facility
- **Disseminate an educational experience** for enthusiasts
- Administer ethical & healthy recreation center
- **Conservation & breeding of endangered** wild species
- Create visitor awareness about wildlife
- **Fortify scientific housing of animals**
- Promote ex-situ & in-situ animal breeding & conservation
- **Conserve the Rich Biodiversity in the State**
- Augment activities resulting in recreation & education

VISION

Ex Situ Conservation & breeding centre for conservation, research, education, and recreation connecting people to nature through experiences that instill passion to protect wildlife and habitats.

ABOUT US

Basic Information about the Jungle Safari

Name of Zoo	Nandanvan Jungle Safari Naya Raipur
Year of Establishment	1st Nov. 2016
Address of the Zoo	Sector 39, Naya Raipur
State	Chhattisgarh
Telephone Number	0771-2439725
Fax Number	0771-2439725
E-mail address	dfojunglesafari@yahoo.com
Website	www.junglesafari.cg.nic.in
Distance from nearest	Airport : 15 km from Swami Vivekanand International Airport, Raipur
	Railway Station : 35 km from Railway Station, Raipur
	Bus Stand : 30 km from Pandri Bus Stand, Raipur
Recognition Valid upto (Date)	21st March 2020
Category of zoo	Medium
Total Area (in Hectares) of Jungle Safari Including Zoo	320.15 Hec.
Zoo Area (in Hectares)	50 Hec.

Number of Visitors	Adult : 183547
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Financial Year 2017-18	Children : 50060
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Total Indian : 233607

Total Foreigners : 42

Total Visitors : 233649

Visitors Facilities Available in zoo	Restaurants, Shelter, Garden, Rest Room, Buses, Electric Golf Cart, FirstAid, Drinking water, vehicle parking etc.
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Weekly Closure Day of the zoo	Monday
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Management personnel of the zoo

Name with designation of the	Mrs. M. MERCY BELLA (IFS)
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Officer in-charge	Director Cum DFO
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Nandanvan Jungle Safari, Naya Raipur (CG)

Name of the Veterinary Officer	Dr. Rakesh Verma
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Name of the Curator	-
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Name of the Education Officer	-
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Name of the Compounder/Lab Assistant	-
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Owner / Operator of the Zoo

Name of the Operator	Forest Secretary Govt. of Chhattisgarh
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Address of the Operator	R. No. SO-14, Sector - 19, Mahanadi
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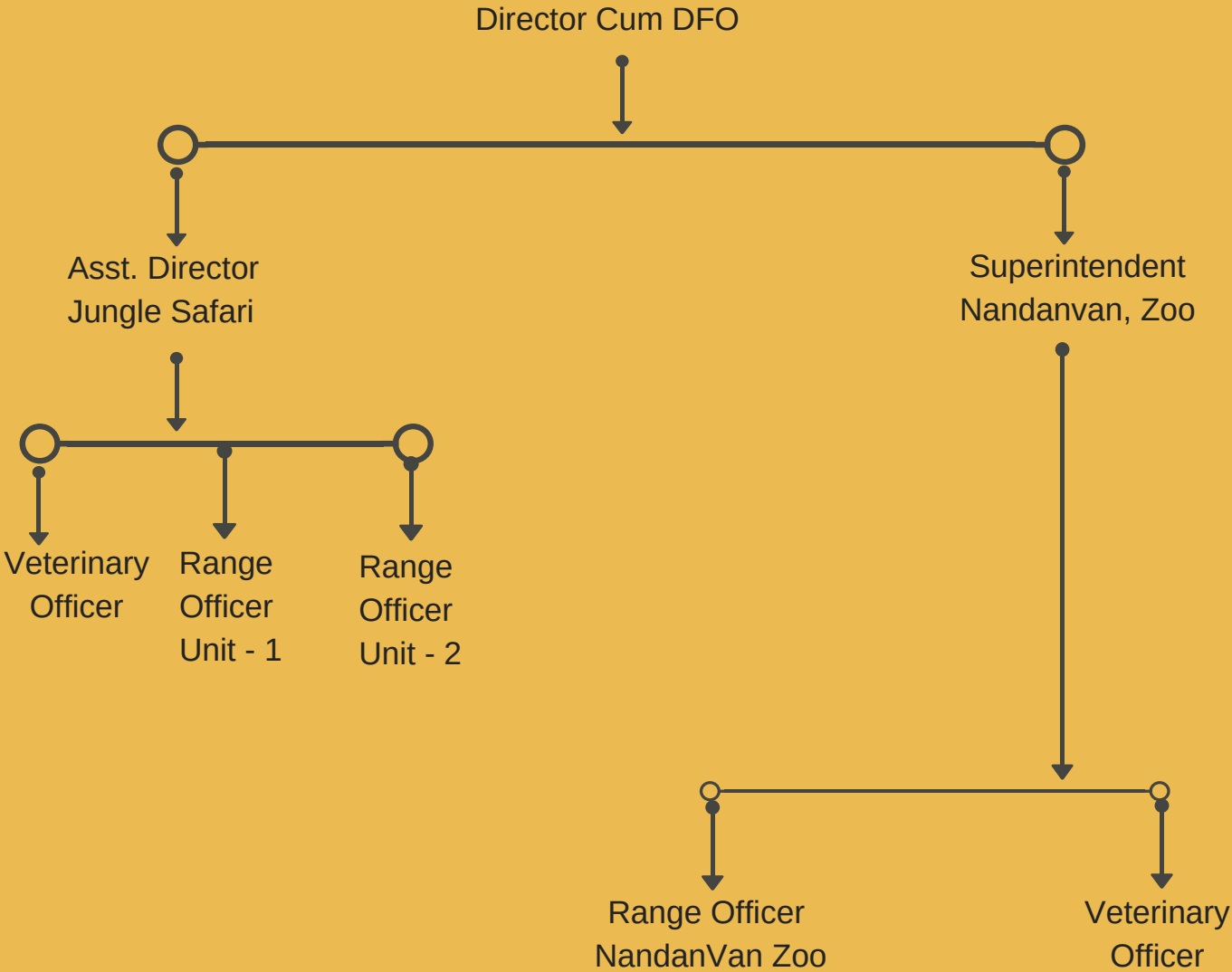
Bhawan, Mantralay , Govt. of

Chhattisgarh, Naya Raipur

Contact details/Phone number of Operator	0771- 2510002
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E-mail address of Operator	secyfcg@yahoo.com
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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
Wildlife Assistant	04	00	04	00
Forest Watchman	00	20	00	20
Head Clerk	00	01	00	01
Accountant	00	03	00	03
Assistant Grade-2	01	02	00	01
Assistant 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 Institution where the Training attended
1	Dr. Rakesh Verma Veterinary Doctor	Training Programme for endangered species recovery	05-07-2017 to 27-07-2017	Durells 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:

Chief Conservator of Forest, (Wild Life) & Field Director	President
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Udanti-Sitanadi Tiger Reserve, Raipur (C.G.)

Veterinary Doctor, Nandanvan Zoo, Raipur (CG)	Member
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Veterinary Doctor, Nandan Kanan Zoo, Bilaspur (CG)	Member
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Professor & HOD, Medicine Department, Veterinary College, Anjora, Durg (CG)	Member
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c. Dates on which Meeting held during the year - Nil

STATEMENT OF INCOME AND EXPENDITURE

Jungle Safari Visitors Month April 2017 to March 2018

Month	Adult	Child	Total Indian	Foreigner	Visitors Total	Total Amount
Apr'17	9846	1631	11477	5	11482	2267200.00
May'17	14363	2932	17295	0	17295	3255600.00
Jun'17	16696	3037	19733	5	19738	3661100.00
Jul'17	14839	1400	16239	0	16239	3126800.00
Aug'17	15864	2153	18017	2	18019	3445350.00
Sep'17	13085	2595	15680	0	15680	2874450.00
Oct'17	12790	4253	17043	0	17043	2950100.00
Nov'17	15576	6933	22509	7	22516	3611350.00
Dec'17	22990	11521	34511	9	34520	5434550.00
Jan'18	23233	8163	31396	2	31398	5364050.00
Feb'18	12693	3716	16409	6	16415	2902600.00
Mar'18	11572	1726	13298	6	13304	2655000.00
Total	183547	50060	233607	42	233649	41548150.00

STATEMENT OF EXPENDITURE OF THE JUNGLE SAFARI

Total Expenditure of Nandanvan Jungle Safari April 2017 to March 2018 (Gate Money)
(Annual in Rs.)

S.No.	Month	Animal Feed	Maintenance (Telephone, Electricity, Diesel, Vehicle etc.	Medicine	Labour Work Watch & ward Maintenance (Driver, Guide, Computer Operator etc.)	Total
1	Apr-17	4491694	832416	0	1152553	6476663
2	May-17	1789510	1301775	91878	709150	3892313
3	Jun-17	2133620	563269	52212	0	2749101
4	Jul-17	1375461	2016790	102586	3114423	6609260
5	Aug-17	651045	134532	0	0	785577
6	Sep-17	4139883	665684	84312	328575	5218454
7	Oct-17	2137656	743973	0	2485566	5367195
8	Nov-17	2185899	905012	69829	10995	3171735
9	Dec-17	3225105	1529677	0	2688093	7442875
10	Jan-18	2524636	1220406	666	1189106	4934814
11	Feb-18	1936390	1160083	0	1445455	4541928
12	Mar-18	706607	236523	0	277427	1220557
	योग	27297506	11310140	401483	13401343	52410472

STATEMENT OF EXPENDITURE - CAMPA & REGULAR

CAMPA Expenditure

क्र.	कार्य का विवरण	वित्तीय वर्ष 2017-18 कैम्पा मद में व्यय (निर्माण कार्य को छोड़कर)												Total
		Apr 17	May 17	June 17	July 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jun 18	Feb 18	March 18	
1	Stationary/ Office expenses	4855	6704	0	2385	0	0	0	400	519	17299	1419	0	33581
2	Diesel expense	32014	4000	0	36547	0	0	0	13952	39272	13034	1036	0	139855
3	Vehicle maintenance	4252	6913	0	2122	0	21616	0	200	0	24245	25925	7380	92653
4	Jungle Safari maintenance	169067	2180	0	0	0	418123	0	15275	0	7625	4596	196007	812873
5	Vehicle rent	0	72306	0	0	0	0	0	0	0	0	0	0	72306
6	Electricity	0	168890	0	0	0	0	0	0	0	0	0	0	168890
7	Bus body development	0	0	0	0	2823000	3764000	0	0	0	0	0	0	6587000
	Total	210188	260993	0	41054	2823000	4203739	0	29827	39791	62203	32976	203387	7907158

Regular Expenditure

क्र.	कार्य का विवरण	वित्तीय वर्ष 2017-18 सामान्य मद में व्यय (निर्माण कार्य को छोड़कर)												Total
		Apr 17	May 17	June 17	July 17	Aug 17	Sep 17	Oct 17	Nov 17	Dec 17	Jun 18	Feb 18	March 18	
1	Data entry operator/Computer operator/ Safety guard/Driver/ Guide/ Sweeper etc	0	632317	1126985	126204	117347	201224	108282	432221	454273	110033	118288	798637	4226411
2	Stationary/ Office expenses	0	0	0	4680	0	0	0	10651	5047	10021	0	4218	34617
3	Diesel expense/ Vehicle maintainance	0	0	0	0	0	0	0	17517	50374	5560	0	1700	75151
4	Jungle Safari maintainance	0	0	0	0	0	0	0	0	0	0	3762	0	9762
5	Biodiversity	0	0	188464	0	0	0	0	0	0	0	0	0	188464
6	Milk, eggs and fruits	0	0	0	19568	0	0	0	17560	11480	0	12630	0	61238
7	Building maintainance	0	0	0	-	0	0	0	112990	332162	48033	28229	102155	623569
8	Inauguration of Lion Safari	0	0	0	635791	0	0	0	0	0	0	0	0	635791
9	Ticket expense	0	0	0	0	0	0	0	0	0	0	54585	0	54585
10	Medicines	0	239360	0	0	0	139087	0	483	57388	0	0	0	436318
11	Telephone	0	0	0	9249	0	0	0	0	0	0	0	0	9249
12	Advertisment	0	0	0	0	0	0	0	0	0	0	0	337835	337835
13	Materials	0	0	0	50436	0	177893	0	14510	17831	0	0	0	260670
	Total	0	872277	1315449	845928	117347	518204	108282	605932	928555	173647	223494	1244545	6953660

Abstract

Budget Head	Rupees (in Lacs)
Gate Money	524.104
Campa	79.071
Reguler	69.536
Total	672.712

DAILY FEED SCHEDULE OF ANIMALS

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 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)	Khair,	250 gms	350 gms	Sunday
	Milk,	500 ml	500 ml	
	Banana,watermelon, papaya and other seasonal fruits	2 kgs	2 kgs	
	Honey	100ml twice a week	100ml twice a week	
	Green fodder	10 kgs	12 kgs	
Sambhar	concentrate Mixture	3 kgs	2 kgs	
Nilgai	Green fodder	10 kgs	12 kgs	
	concentrate Mixture	3 kgs	2 kgs	
Chital	Green fodder	5 kgs	4 kgs	
	concentrate Mixture	0.4 kgs	0.4 kgs	
Black buck	Green fodder	5 kgs	5 kgs	
	concentrate Mixture	4 kgs	4 kgs	
Kotari	Green fodder	5 kgs	4 kgs	
	concentrate Mixture	0.4 kgs	0.4 kgs	
Crocodile	Chicken	2 kg once in a week	2 kg once in a week	
	Fish	2 kg once in a week	2 kg once in a week	

VACCINATION SCHEDULE OF ANIMALS

Species	Disease vaccinated for	Name of the Vaccine and dosage/quantity used	Periodicity	Remarks
		NIL		

DE-WORMING SCHEDULE OF ANIMALS

Sr.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. fasnii	Feb, June, Oct

DISINFECTION SCHEDULE

S.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	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 & friday kraal - last week of march june september december water tanks - weekly
2	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

ZONE WISE AREA

S. No.	Name of Zone	Area (in hect.)
1	Water Zone	52.52
2	Monument Zone	0.92
3	Bear Safari	20.03
4	Herbivore Safari	30.89
5	Tiger Safari	20.04
6	Lion Safari	20.01
7	Safari Management Zone	10.75
8	Safari Water Supply Zone	0.35
9	Zoo Area Zone	50.00
10	Eco Cum Biodiversity Zone	17.00
11	Water Channel Area	0.40
12	Fodder Production Area	5.20
13	Administrative Zone	8.75
14	Ticket and Waiting Zone	4.75
15	Garden and Park Zone	7.67
16	Service Road	8.64
17	Green Belt	11.50
18	Wilderness Area	50.82
Total Area		320.15

TIGER SAFARI

Shivaji, Kishori, Chitra and Badshah roaring...



TIGER ENCLOSURE

Developed in 20.04 ha. of area, Tiger Safari encompasses an open expanse that possesses paddock area, day kraal, night shelters and keepers room. The whole area is circumscribed using chain linked mesh fence of 5.5 m height with the top of the fence inclined at an angle of 120 degree to the vertical post.

Owing to the size of safari bus, the entry gate employed is a double door system. There are four tigers in the Safari - Shivaji, Kishori, Chitra and Badshah shifted from the old Nandanvan zoo Raipur (vide Challan no. 3865 Dated 14.02.2016, Challan no. 3879 Dated 03.10.2016 Challan no. 3889 Dated 09.02.2017 and Challan no. 3892 Dated 01.03.2017).

On 7th June'17, Kishori gave birth to three cubs.

The beautiful safari ride lets visitors enjoy tigers in their habitat in a round of 2.2 km.

BEAR SAFARI

Sohan, Gauri, Radha and Bholu growling...



SOHAN BEAR



BEAR ENCLOSURE

With a paddock area of 20.03 ha, the Bear Safari possesses day kraal, shelters and keeper room.

The whole area is circumscribed using chain linked mesh fence of 5.5 m height with the top of the fence inclined at an angle of 60 degree to the vertical post.

In this Safari, we have four bears namely Sohan, Gauri, Radha and Bholu that are shifted from the old Nandanvan zoo Raipur (vide Challan no. 3859 Dated 11.02.2016, Challan no. 3878 Dated 03.10.2016 and Challan no. 3880 Dated 03.10.2016).



ENTRY GATE



WATER POND

HERBIVORE SAFARI

Black Buck, Spotted deers, Barking Deers, Sambhars and Nilgai...



Extending over 30.89 ha., Herbivore Safari is an enclosure with expanse covering paddock, day kraal and night shelters. The whole area is circumscribed using chain linked mesh fence of 1.8 m height with double door system at the entry gate.

Inside the paddock area, edible grass species such as Dinanath, Berseem, Napier Grass are sowed/planted in the grassland that form the main fodder for the animals.

Patches of Arjun and Khair trees found within the Safari suffice as standing shed for the animals. Requisite water supply is provided throughout to the animals from 20 rain guns, 5 water cannels and 2 large water bodies.

The animals found in the safari are Black Buck, Spotted deers, Barking Deers, Sambhars and Nilgai that have been shifted from the old Nandanvan zoo Raipur.

LION SAFARI

Prince, Kriti, Abhay and Nirbhay...



Inaugurated by Honorable Chief Minister of Chattisgarh Shri Raman Singh on 21st March 2017, the Lion Safari is established in an area of 20.15 ha. with an open enclosure.

The Lion Safari possesses paddock area, day kraal, night shelters and keepers room. The whole area is circumscribed using chain linked mesh fence of 5.5 m height with the top of the fence inclined at an angle of 120 degree to the vertical post. Owing to the size of safari bus, the entry gate employed is a double door system.

In this Safari we have four Lions namely Prince, Kriti, Abhay and Nirbhay who are shifted from the old Nandanvan zoo Raipur. The lioness Kriti gave birth to four cubs on 6th October 2017.

The beautiful safari ride lets visitors enjoy tigers in their habitat in a round of 2.2 km.

CROCODILE EXHIBIT PARK

A home to 9 crocodiles currently...



Marsh Crocodile exhibit is a really intriguing part of the Jungle Safari that is home to nine Crocodiles as of now, that are shifted from the old zoo.

The exhibit encompasses an area of 9500 sq.m. that is circumscribed using chain linked mesh fence of 2 m height.

As Crocodiles are semi aquatic animals, prearrangements are made both for water and land areas. The wild Crocodiles warm up on land by wallowing in sunlight and then cooling down by moving into a shaded area or back into water.

An island is created right in the middle of the pond and basking arrangements are made along the viewer side.

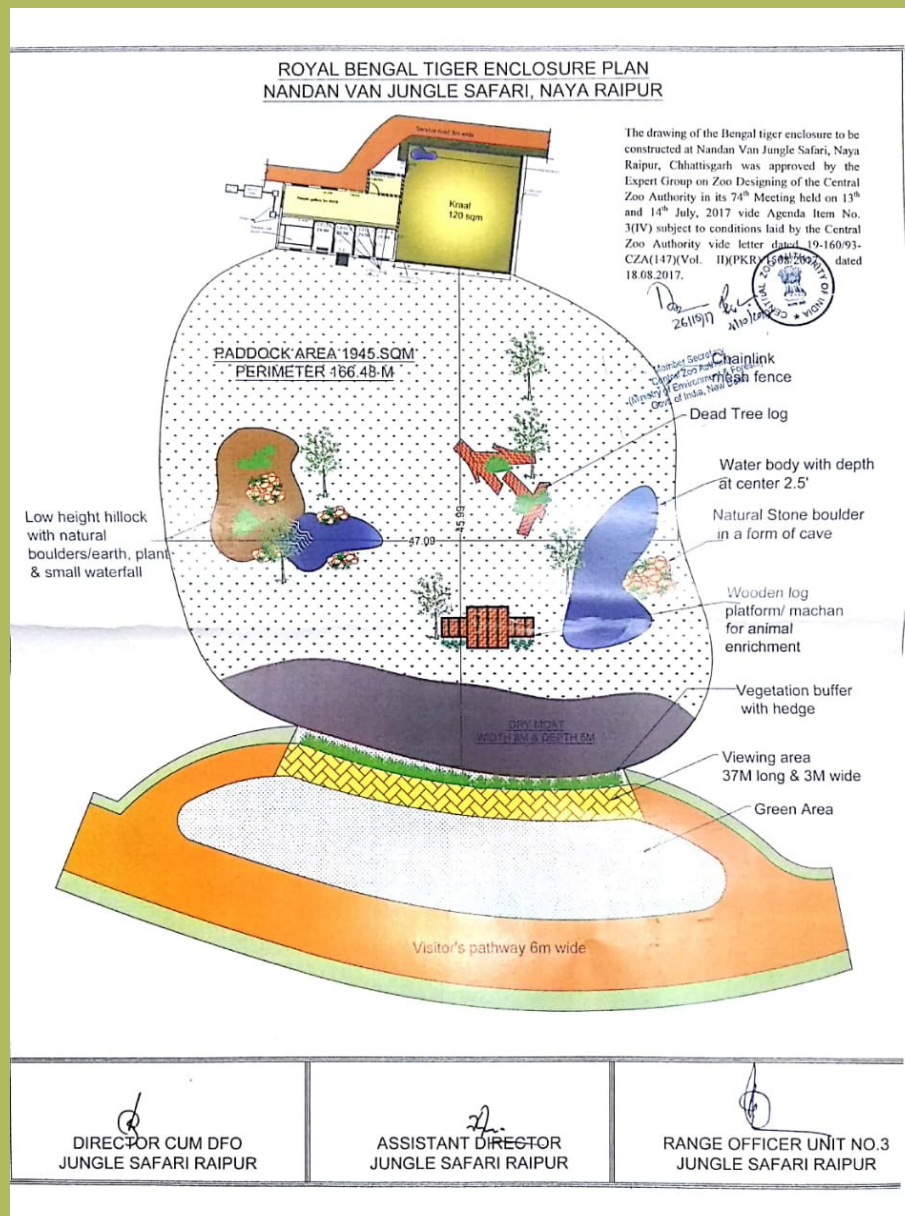
DEVELOPMENT WORK CARRIED OUT IN THE ZOO DURING THE YEAR

Royal Bengal Tiger Enclosure

The enclosure provides intriguing view of our pride the Royal Bengal tiger. It is developed in total area of 2430 SQM that includes paddock area of about 1945 SQM and dry moat. (CZA Approval - 19-160/93-CZA(147)(Vol.III) (PKR)/1844/2017, dated 27/10/2017).

It contains of a low height hillock with natural boulders/earth, small waterfall along with a water body at the center of depth 2.5'. A wooden log platform/machan is facilitated for animal enrichment.





LION ENCLOSURE

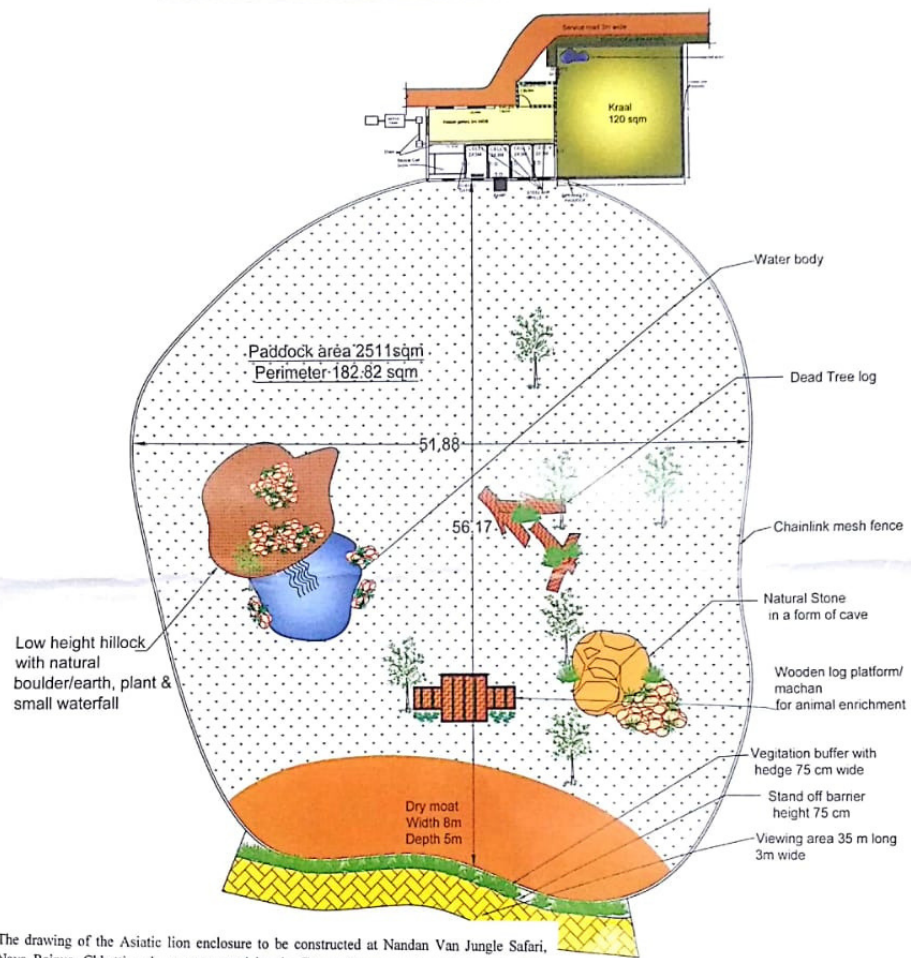
The lion enclosure is constructed in a huge area of 2550 SQM with dry moat and 2511 SQM paddock area (CZA Approval - 19-160/93-CZA(147)(Vol.III) (PKR)/1844/2017, dated 27/10/2017).

The enclosure is beautifully designed with a natural stone in form of a cave. Salient features of the enclosure include the presence of a dead tree log, a water body, a low height hillock and a wooden platform meant for animal enchantment. The entire enclosure is safeguarded with a chainlink mesh fence.





ASIATIC LION ENCLOSURE PLAN NANDAN VAN JUNGLE SAFARI NAYA RAIPUR



The drawing of the Asiatic lion enclosure to be constructed at Nandan Van Jungle Safari, Naya Raipur, Chhattisgarh was approved by the Expert Group on Zoo Designing of the Central Zoo Authority in its 74th Meeting held on 13th and 14th July, 2017 vide Agenda Item No. 3(IV) subject to conditions laid by the Central Zoo Authority vide letter dated 19-160/93-CZA(147)(Vol. II)(PKR)/1508/2017, dated 18.08.2017.

**DIRECTOR CUM DPO
JUNGLE SAFARI RAIPUR**

**ASSISTANT DIRECTOR
JUNGLE SAFARI RAIPUR**

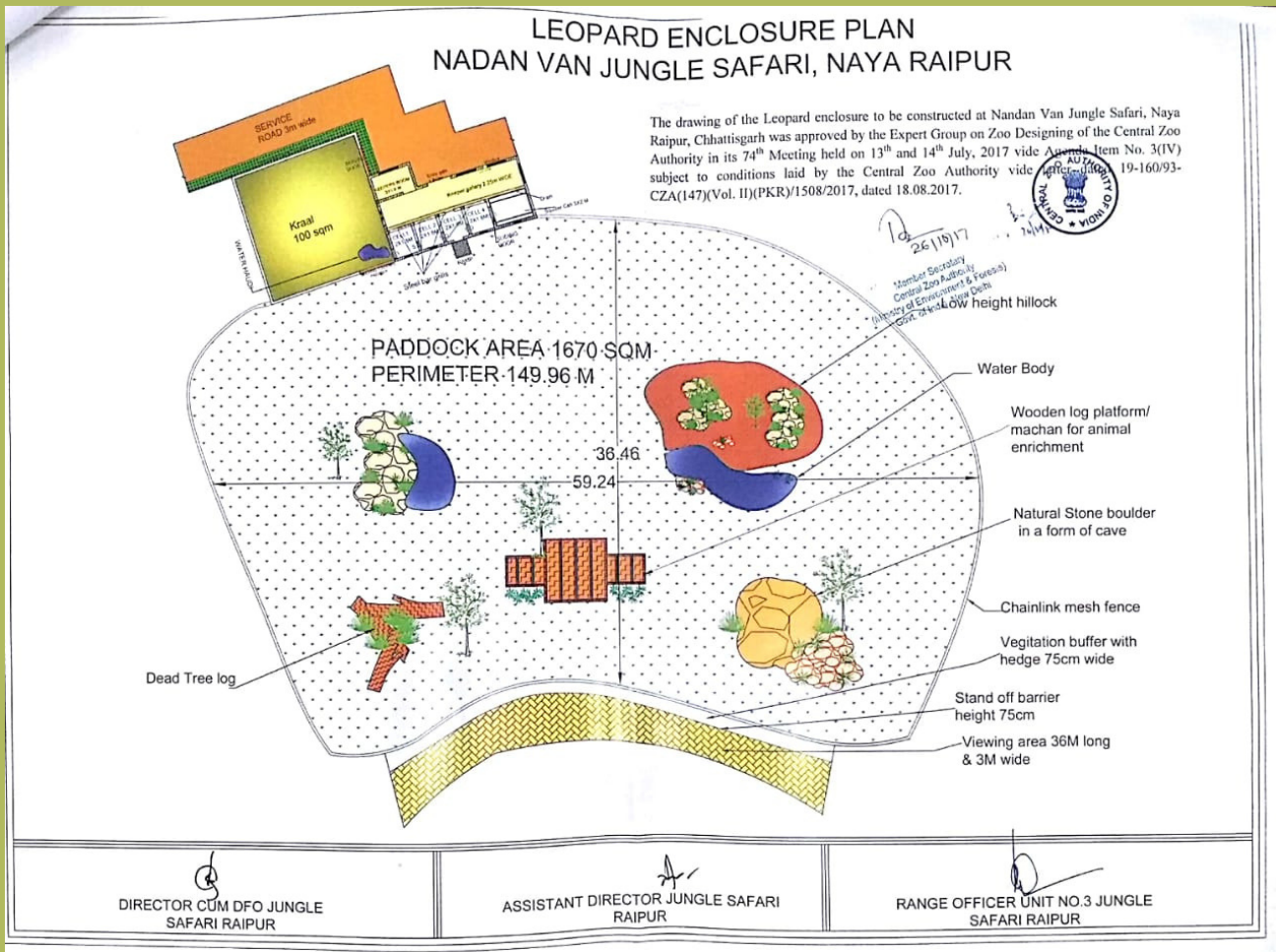
**RANGE OFFICER UNIT NO.3
JUNGLE SAFARI RAIPUR**

LEOPARD ENCLOSURE

Since the inception, Nandanvan Jungle Safari has already attracted a lot of attention. The exhibit encompasses an area of 2070 SQM. It is designed with the Toughened glass and paddock area covering 1670 SQM (CZA Approval - 19-160/93-CZA(147)(Vol.III)(PKR)/1844/2017, dated 27/10/2017).

It contains of a low height hillock with natural boulders/earth, small waterfall along with a water body at the center of depth 2.5'. A wooden log platform/machan is facilitated for animal enrichment.



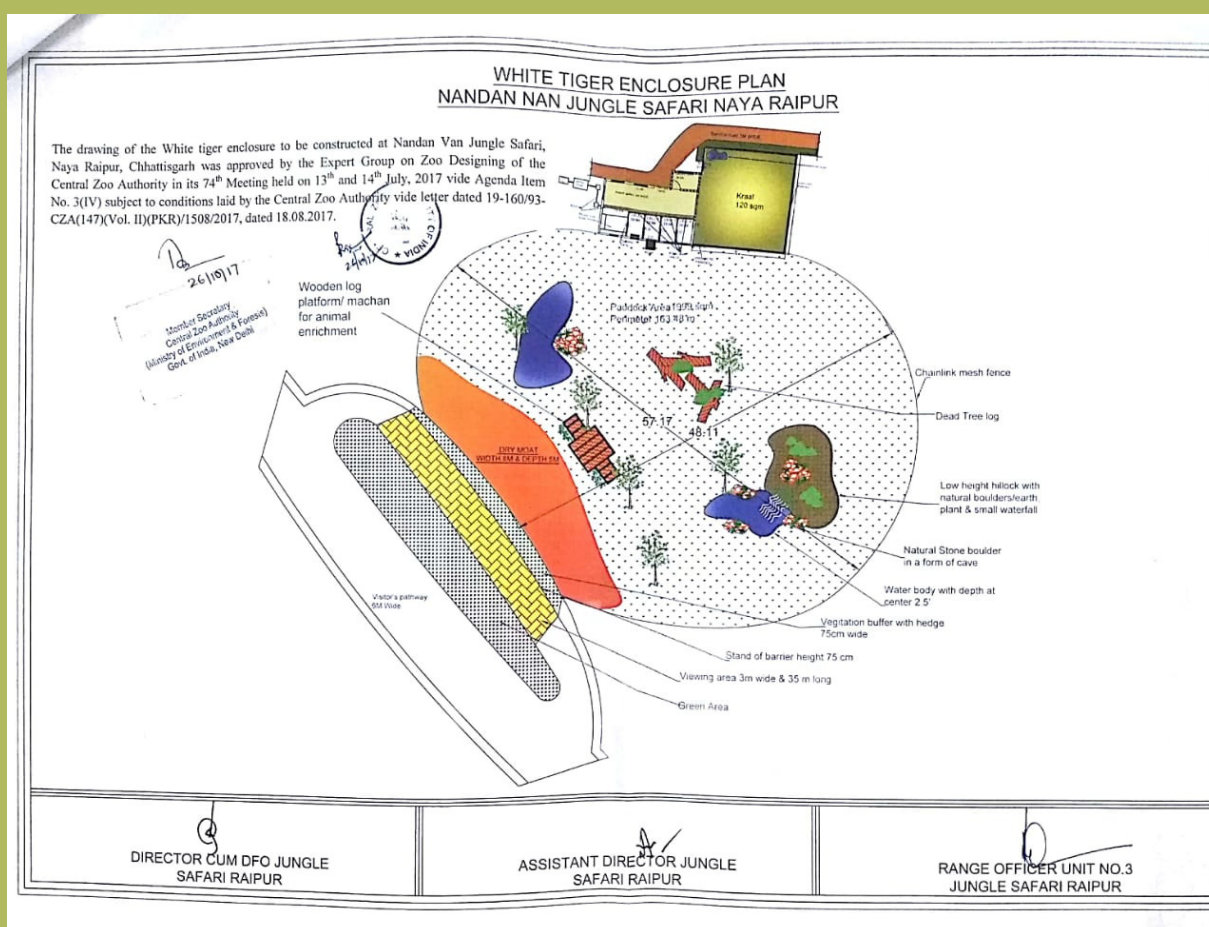


WHITE TIGER ENCLOSURE

This enclosure tries to offer tigers a varied and naturalistic habitat. This enclosure contains a paddock area of 1999 SQM and dry moat in the total area of 2590 SQM. (CZA Approval - 19-160/93-CZA(147)(Vol.III) (PKR)/1844/2017, dated 27/10/2017).

It contains of a low height hillock with natural boulders/earth, small waterfall along with a water body at the center of depth 2.5'. A wooden log platform/machan is facilitated for animal enrichment.





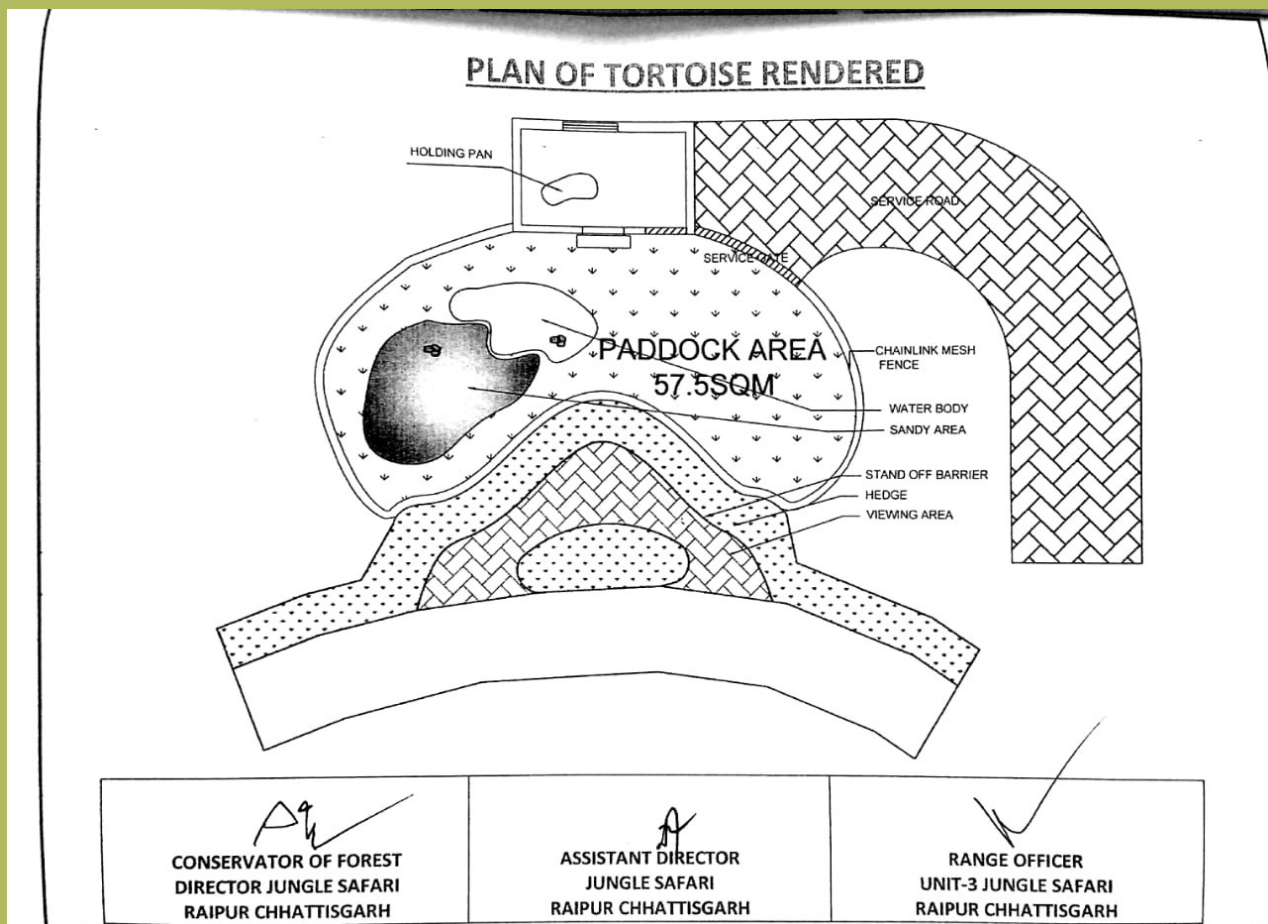
TORTOISE ENCLOSURE

Nandavan Jungle Safari has a dedicated area of 70 SQM for tortoise enclosure.

(CZA Approval - 19-160/93-CZA(147)(Vol.III)(PKR)/1844/2017, dated 13/2/2017).

It contains of a paddock area of 57.4 SQ M - a water body, a sandy area and a holding pan. There is a standoff barrier, hedge located close to the viewing area where the audience can view the tortoise from.





EDUCATION AND AWARENESS

International Yoga day

International Day of Yoga is celebrated annually on 21 June since its inception in 2015. The Honorable Prime Minister, Mr. Narendra Modi proposed this idea at his UN address and suggested this date since it is the longest day of the year in the Northern Hemisphere and shares a special significance in many parts of the world.

In the presence of our PCCF Territorial and PCCF Wildlife we celebrated International yoga day at Nandanvan Jungle safari to promote health awareness.



EVENTS AND HAPPENINGS



Wild Life Week



Jungle Safari Online Ticketing Inauguration



DG, Forest Visited on
20th Nov. 2017



Visit of Mr. S.K.Patnayak, (Retd.
APCCF), CWLW Orissa
Technical Advisor



Visit of Mr. Chandi Prasad Bhat
Eminent environmentalist



Visit by Mr. Suresh Raina,
Cricketer India Team



Honorable C.M., Dr. Raman Singh's visit



School Students
Educational Tour

NEWSPAPER & PRESS COVERAGE



SEASONAL SPECIAL ARRANGEMENT FOR UPKEEP OF ANIMALS



Pasture Land



Rain Gun



Green shade net

At the Tiger Safari, Green net is used to give relief from heat to the tigers during summer season. This enables the animals to sustain the low water levels in their body during the scorching heat days.

CONSERVATION BREEDING PROGRAMME OF THE ZOO

One of the objectives of Nandanvan Jungle Safari is to promote "conservation breeding of endangered species of wild animals available within the bio geographic range". Wild buffalo (*Bubalus bubalis arnee*) is the state animal of Chhatisgarh and is listed in the endangered category of species in the IUCN. Therefore it is decided by forest department to establish a new conservation breeding centre at Nandanvan Jungle Safari, Naya Raipur for Wild buffalo, especially for the clone that has been developed in National Dairy Research Institute, Karnal.

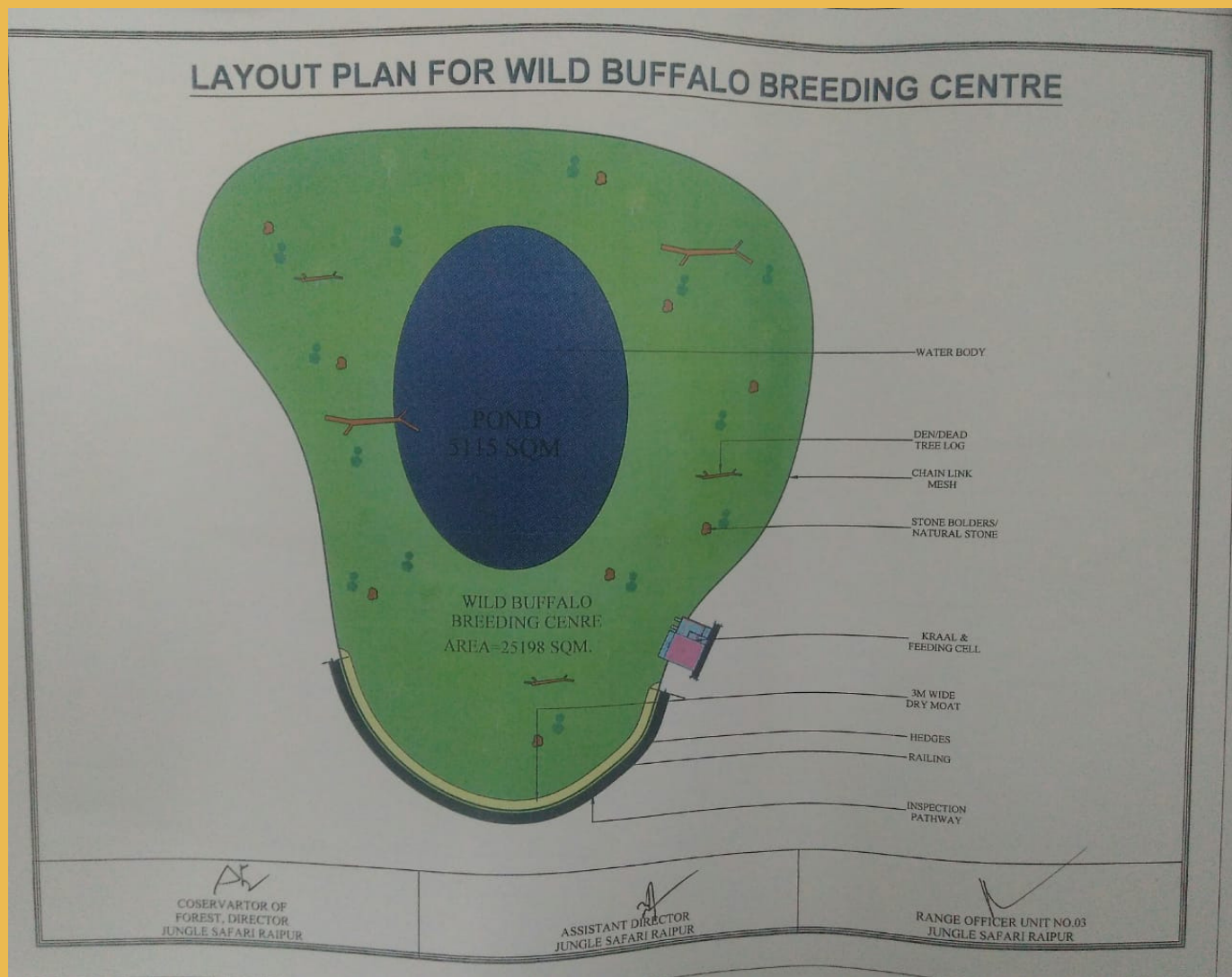
The Layout plan and design of the proposed conservation breeding centre for wild buffalo was sent to CZA for approval and the proposal was approved by the Expert Group of Zoo. Designing of the Central Zoo Authority letter no. F.No 19-160/93-CZA(147)(Vol.II)276/2017, dated 13/02/2017.

Then after detailed estimate has been prepared and sent to DIGF (WL), Ministry of Environment, Forest and climate change, GOI, New Delhi; for grant in aid. Letter no. 2017/990 dated 20/02/2017).

The grant was sanctioned for the establishment of conservation breeding centre of wild buffalo during 2017-18 under the integrated development of wildlife habitat scheme with the condition of 60:40 sharing basis by the Government of India and the Government of Chhattisgarh - Letter No. F-No.34 - 1/2012 WL dated 13/12/2017.

Thus a modern breeding centre at Jungle Safari, Naya Raipur is established in 2.5 hec. area which would help in future for increasing the dwindling population of wild buffalo.





JUNGLE SAFARI VISITORS BOOKS (2017-2018)

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
30-1-2018	Shri P.S. Kataria Judge High Court Chandigarh		pskataria@gmail.com	This is my second visit to this place. I am quite impressed with the forest develop. mainly being made. My only suggestion is to ensure the greenery to make more attractive and try to increase the number of animals. 20/1/18
27-01-18	P. Raghunivas IPS PCCF (S) Tirunelveli Tirunelveli		TT4033@gmail.com	Nice to see good no. of footfalls within 6 months of opening. Shows great demand for such spots in urban areas. Activities outside separable and more emphasis on interpretation. Need to engage the public especially students more effectively. All the best 20/1/18

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
	Kam Khan			Thank you for a lovely weekend day! I will return soon. 20/1/18
	V.K. YADAV IPS APCCF & Member Secy WBZA			It's a wonderful experience. The overall concept is fantastic & very well implemented. Thanks for such experience. well planned & implemented. Keeping going 20/1/18
	Abul Jundal IPS APCCF, VDP, LKO			

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
11/2/18	Arjun S George			It was really nice to be here. Well maintained and good place. Thank you for your great hospitality Arjun
11/2/18	PARAM JEEI SIMHA			Jungle safari v good outstanding. good luck 11/2/18
17/2/18	S. S. ASHWINI, IPS CF, KOLKATA	7598147315	forshashini@yahoo.com	Great visit at the heart of natural India. Nice to visit. Better effort by the department to show forest initiatives. Thanks to the entire team. 17/2/18

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
0-12-2017	Dr. A.K. Singh PCCF (Wild) O.R.	9420148544	singhadr.s@gmail.com	This is wonderful efforts taken by the forest department to develop the safari for educating public and particularly younger generation about wildlife and biodiversity conservation. This is still under development phase. My suggestion would be to see other zoological parks and safari developed in India and take it one step ahead of them. In future this would be most popular place in Roorkee. All the best A.K. Singh 01/12/17

JUNGLE SAFARI VISITORS BOOKS (2017-2018)

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
19/12/2017	Ganga Singh, A.D. TSNPA	941199731	IGNFA, Dehradun	Excellent place to visit for educational purpose.
30/12/2017	Ran Prakash Chandra Judge High Court, Jaipur	9425532979	A-4 Judge colony Bilaspur	To watch wild life too close is thinking event. I suggest my govt. take to forest dept.
30/12/17	Judith R. L. Johnson from High Court Judge	9425258533	Friend Colony Surkandi, Bilaspur	After seeing jungle safari I found that the beauty of a good animals are free. After being here I feel like to jungle.
11-12-17	Alok Thakur PPO, Mahasamund	9425206197	alok.thakur1963@gmail.com	All the sections are developed in systematic manner. Special care should be taken to reduce dust and dirt while moving on wheels. Hospitality is very nice. Have a nice time. Alok

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
25 Nov, 2017	R. R. Shukla, Ret. P.O., Kanpur	9875576129	Kanpur	An excellent and futuristic initiative for conservation for people. An idea and efforts of dept. in managing the park is needs appreciable. Good luck. R.R. Shukla 25/11/2017
25 Nov 2017	Shivam Chhabra National Media Nehru, BSM	9911016863	Delhi	The place is full of nature beauty. Must be preserved & promoted to the level of dedication that has been put to maintaining it. Go ahead by forest dept. The Ministry looks to the role forest dept. team. Good luck. Well wish! again

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 Chhabra Forest department. I will visit again. Thanks Kuldeep

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
24 Nov	Kavish Khuram Spokenword Delhi BJP	971148942	biphanishkhuram@gmail.com	Fantastic Place. Uttarganga Govt. specially Forest Dept. has done remarkable job. Full of natural beauty & staff of Safari is good and taking personal pain to develop it. Should be advertised as tourist destination Pan India. All the best K. Khuram

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
14/01/2018	Suresh Raina			Enjoyed Jungle Safari visit with entire U.P. Team. It was an exciting experience. I will like to come back again, when ever I come to Raipur. Honored by planting a sapling in the safari. Thanks Jungle Safari Administration for the honor & care. CHEERS Suresh Raina

JUNGLE SAFARI VISITORS BOOKS (2017-2018)

20/11/2017	Liddehara Das	9437464222	Director Garoos (Forest) Min. of Env. Forest & C.E.	Jungle Safari is developing as a green resort in the new capital. It has been very well planned and the ambience will be a treat to the city dwellers in particular. I am sure this will develop as an environment education hub and a learning centre for students.
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29/11/2017	Joshi R.S. Jha H.C. of H.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 <i>Rajendra</i>
11/12/17	Mr. R.N. Singh Sri Advocate High Court of H.P. Former Advocate Gandol, H.P.			We had wonderful time while visiting Jungle Safari. The beautiful staff and other looking care of animals are keeping themselves in looking after the interest of animals. We were properly explained about the animals' behaviour etc. We wish all successful, that development of the project. <i>Rajendra</i> Ex. H.C. Gandol

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
24/11/2017	श्रीमान श्रीमान ०९८९७७२७७८			and Zoo environment for the public to spend hours in these serene environs. Congratulations and All the best to the officials and staff of C.F.D.
24/11/2017	श्रीमान श्रीमान ०९८९७७२७७८			<i>Outgoing</i> 24/11/2017 (A.K. Goyal) The safari was very interesting and informative. The staff was very courteous and well informed. I wish the Jungle Safari all the best for the future and hope to come again sometime. <i>Rajendra</i> 24/11/2017

Date	Name	Contact #	E-mail / Address	Your Valuable Comments & Suggestions
17-12-2017	Mammoth Prasad		Todays, Patna Bihar	The safari ride was exciting. The arranged sightings of such wild animals at such close quarters was quite an experience. The staff was really courteous and well informed. I wish the Jungle Safari all the best for the future and hope to come again sometime. <i>Rajendra</i>
17.12.2017	Chakrabarti S. Singh		Todays, Patna Bihar	Mammoth and splendid, very well conceived and maintained. Impressed by the hospitality of the staff. <i>Rajendra</i>

ANIMAL ACQUISITION / TRANSFER / EXCHANGE DURING THE YEAR

	A	<i>Animals arriving in the zoo</i>				
		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	<i>Animals going from the zoo</i>				
		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

S. No.	Date of Rescue	Species with number of animals rescued with their sex (M:F:U:T)	Received from	Action Taken	
				Date and Place of rehabillitaion in their habitat	Reasons for housing in the zoo, if not released in their habitat
1	12.05.2017	Female Spotted Deer	D.F.O. Mahasamund	Nandanvan Zoo	Orphaned
2	15.05.2017	Male Spotted Deer	D.F.O. Gariyabnad	Nandanvan Zoo	Injured
3	01.06.2017	Male Samber	D.F.O. Kawardha	Nandanvan Zoo	Injured
4	06-06-2017	Female Bear	D.F.O. Kanker	Nandanvan Zoo	Injured
5	13-09-2017	Female Barking Deer	D.F.O. Kondagaon	Nandanvan Zoo	Injured
6	30.10.2017	Female Spotted Deer	D.F.O. BalodaBazar	Nandanvan Zoo	Orphaned
7	25-11-2017	Female Blue Bule	D.F.O. Khairagarh	Jungle Safari	Injured
8	20-12-2017	Female Panther	D.F.O. Khairagarh	Jungle Safari	Orphaned
9	20-12-2017	Female Panther	D.F.O. Khairagarh	Jungle Safari	Orphaned
10	16-01-2018	Female Spotted Deer	D.F.O. Balod	Jungle Safari	Injured
11	19-01-2018	Panther (Cub)	D.F.O. Indravati Tiger Reserve	Jungle Safari	Orphaned
12	22-01-2018	Barking Deer (Fawn)	D.F.O. kanker	Jungle Safari	Orphaned
13	22-01-2018	Male Barking Deer	D.F.O. Khairagarh	Jungle Safari	Injured
14	22-01-2018	Male Barking Deer	D.F.O. Khairagarh	Jungle Safari	Injured
15	23-02-2018	Male Barking Deer	D.F.O. Balod	Jungle Safari	Injured
16	08-03-2018	Honey Badger	D.F.O. Bemetara	Nandanvan Zoo	Injured
17	12-03-2018	Female Spotted Deer	D.F.O. Kawardha	Nandanvan Zoo	Injured

MORTALITY OF ANIMALS

S. 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	Peacock Age 05 Year	<i>Pavo cristatus</i>	Female	01.04.2017	Heat Stroke
2	Spotted Deer	<i>Axis Axis</i>	Male	03.04.2017	Drowning
3	Peacock Age 5½ Years	<i>Pavo cristatus</i>	Female	05.04.2017	Dehydration
4	Bear Age 04 Years	<i>Melursus Urisinus</i>	Female	11.04.2017	Injury
5	Bear Age 06 Years	<i>Melursus Urisinus</i>	Male	15.04.2017	Heat Stroke
6	Peacock Age 03 Years	<i>Pavo cristatus</i>	Male	20.04.2017	Pulmonary paralysis
7	Black buck 05 Years	<i>Antelope Cervicapra</i>	Female	23.04.2017	Injury
8	Spotted Deer Age 08 Years	<i>Axis Axis</i>	Male	07.06.2017	Old Age
09	Blue Bull Age 03 years	<i>Boselaphus tragocamelus</i>	Male	07.06.2017	Injury
10	Black buck Age 04 Years	<i>Antelope Cervicapra</i>	Male	11.06.2017	Injury
11	Spotted Dear	<i>Axis Axis</i>	Female	13.06.2017	Severe Injury
12	Bear Age 02 Years	<i>Melursus Urisinus</i>	Male	18.06.2017	Shock & asphyxia
13	Sambar Age 5½ Year	<i>Rusa unicolour</i>	Male	13.07.2018	Pulmonary tuberculosis
14	Peacock are 3 year	<i>Pavo cristatus</i>	Male	21.07.2017	Injury
15	Spotted Dear	<i>Axis Axis</i>	Female	05.08.2017	Injury
16	Spotted Dear	<i>Axis Axis</i>	Female	19.08.2017	Injury
17	Lion (Cub)	<i>Panthera leo persica</i>	Female	11.10.2017	Pre Mature
18	Hyena 03 Yrs	<i>Hyena hyena</i>	Male	14.10.2017	Injury
19	Bear ¼Cub½	<i>Melursus Urisinus</i>	Female	30.11.2017	Pre Mature
20	Barking Deer ¼Cub½ Age 03 Month	<i>Muntiacus muntjak</i>	Female	05.12.2017	Snake Bite
21	Spotted Deer	<i>Axis Axis</i>	Female	06.12.2017	Injury
22	Spotted Deer Age 02 Years	<i>Axis Axis</i>	Female	06.12.2017	Injury
23	Bear ¼Cub½ Age 02 Days	<i>Melursus Urisinus</i>	Female	13.12.2017	Pre Mature
24	Spotted Deer	<i>Axis Axis</i>	Female	18.12.2017	Injury
25	Spotted Deer	<i>Axis Axis</i>	Female	27.12.2017	Injury
26	Peacock Age 05 Years	<i>Pavo cristatus</i>	Male	07.01.2018	Injury
27	Owl	<i>Bubo Bengalensis</i>	Male	07.01.2018	Injury
28	Spotted Deer Age 03 Years	<i>Axis Axis</i>	Female	16.01.2018	Injury
29	Barking Deer	<i>Monjpar murtak</i>	Male	14.02.2018	Injury
30	Spotted Deer	<i>Axis Axis</i>	Male	28.02.2018	Injury

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 of healthcare 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 breeding 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 not 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. Nandanvan 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 the drawings of animal exhibits with respect to species listed in Schedule I and Schedule II of the Wildlife (Protection) Act. 1972.	With immediate effect	Till now, we have received approval for 5 enclosures and the rest of the drawings of animal exhibits have been sent to CZA by letter no. F.No.31-3/2017-CZA/2949/2018, Date 16.04.2018
5	10.3(7)	Large numbers of rescued Parakeet belonging to	With immediate	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 Chamarajendra 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 camp 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.

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			Acquisition s			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	Chrysolophus pictus	2	2	-	4	-	-	-	-	-	-	-	-	-	-	2	2	-	4		
2	Peafowl	Pavo cristatus	5	5	-	10	-	-	-	-	-	-	-	-	-	-	5	5	-	10		
3	Emu	Dromaius novae-hollandiae	3	2	3	8	-	-	-	-	-	-	-	-	-	-	3	2	3	8		
4	Cockatiel	Nymphicus hollandicus	-	-	47	47	-	-	-	-	-	-	-	-	-	-	-	-	47	47		
5	Parakeet Rose ring	Pittacula krameri	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-	-	50	50		
6	Parakeet Alexandrine	Pittacula eupatria	-	-	6	6	-	-	-	-	-	11	-	-	-	-	5	-	-	12	12	
7	Parakeet Moustached	Pittacula Alexandri fasciata	1	1	2	4	-	-	-	-	-	-	-	-	-	-	1	1	2	4		
8	Budgerigar	Melopsittacus undulatus	-	-	14	14	-	-	-	-	-	-	-	-	-	-	-	-	14	14		
9	Love birds	Agapornis	-	-	29	29	-	-	-	-	-	-	-	-	-	-	-	-	29	29		
10	Owl Barn	Tyto alba	-	-	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	Panthera Tigris Tigris	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1		
2	Lion Indian	Panthera leo persica	1	-	-	1	-	-	-	2	-	-	-	-	-	-	3	-	-	3		
3	Leopard (Panther)	Panthera pardus	8	2	-	10	-	-	-	1	-	-	-	-	-	-	9	2	-	11		
4	Hyaena Stripped	Hyaena hyaena	2	2	-	4	-	-	-	-	-	-	-	-	-	-	2	2	-	4		
5	Civet Common Palm – Cat Toddy	Paradoxurus hermaphrodites	-	-	1	1	-	-	-	1	-	-	-	-	-	-	1	-	1	2		
6	Jackal	Canis aureus	1	1	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-	2		
7	Fox Common	Vulpes bengalensis	-	-	4	4	-	-	-	-	-	-	-	-	-	-	-	-	4	4		
8	Bear Himalayan Black	Ursus thibetanus	1	1	-	2	-	-	-	-	-	-	-	-	-	-	1	1	-	2		
9	Bear Sloth (Albino)	Melursus ursinus	1	1	1	3	-	-	-	-	-	-	-	-	-	-	1	1	1	3		
10	Deer Spotted (Chital)	Axis axis	31	25	19	75	-	-	5	-	-	-	-	-	-	1	-	-	30	25	24	79
11	Black buck (Krishna Mrig)	Antilope cervicapra	8	8	4	20	-	-	2	-	-	-	-	-	-	-	8	8	6	22		
12	Nilgai - Blue bull	Boselaphus tragocamelus	4	1	2	7	-	-	-	-	-	-	-	-	-	-	4	1	2	7		
13	Antelope Four Horned (Chowsingha)	Tetracerus quadricornis	10	8	1	19	-	-	1	-	-	-	-	-	-	1	-	-	9	8	2	19
14	Deer Barking (Kakar)	Muntiacus muntjak	1	5	2	8	-	-	2	-	-	-	-	-	-	-	1	5	4	10		
15	Deer Sambar	Rusa unicolour	2	-	-	2	-	-	-	-	-	-	-	-	-	-	2	-	-	2		
16	Macaque Rhesus	Macaca mulatta	10	13	9	32	-	-	-	-	-	-	-	-	-	1	-	-	9	13	9	31
17	Langur Common	Semnopithecus entellus	2	1	-	3	-	-	-	-	-	-	-	-	-	-	2	1	-	3		
18	Porcupine (albino)	Hystrix indica	-	-	7	7	-	-	2	-	-	-	-	-	-	-	-	-	9	9		
Total Mammal			82	69	50	201	0	0	12	4	0	0	0	0	0	3	0	0	83	69	62	214
Reptiles																						
1	Python Indian-Rock	Python molurus	-	-	12	12	-	-	-	-	-	-	-	-	-	-	-	-	12	12		

2	Crocodile Marsh (Mugger)	<i>Crocodylus 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	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	1	1	68	70	
Total Animals			94	80	272	446	0	0	12	4	0	11	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	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 unicolour</i>	2	4	-	6	-	-	-	-	-	-	-	-	-	-	-	2	4	-	6	
Total Mammal			57	86	7	150	2	12	14	2	4	1	3	0	0	0	0	1	64	102	15	181
Reptiles																						
10	Crocodile Marsh (Mugger)	<i>Crocodylus 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	5	4	0	9	
Total Animals			69	101	7	177	2	12	14	2	4	1	3	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 PREMISES

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

Table.2 Avian checklist of Nandan Van Zoo and Jungle Safari area,
Naya Raipur, Chhattisgarh, December 2015 to January 2016.

Plain Prinia	Cisticolidae	<i>Prinia inornata</i>	Resident	1	1	1	1	1
Black Drongo	Dicruridae	<i>Dicrurus macrocerus</i>	Resident	1	1	1	1	1
Indian Roller	Coraciidae	<i>Coracias benghalensis</i>	Resident	1	1	1	1	1
Wire tailed Swallow	Hirundinidae	<i>Hirundo smithii</i>	Resident	1	1	1	1	1
Barn Swallow	Hirundinidae	<i>Hirundo rustica</i>	Migratory	1	1	1	1	1
Spotted Dove	Columbidae	<i>Spilopelia chinensis</i>	Resident	0	0	0	0	1
Ashy Crowned Sparrowlark	Aludidae	<i>Eremopteryx griseus</i>	Resident	0	0	0	0	1
Indian Bushlark	Aludidae	<i>Mirafa erythroptera</i>	Resident	0	0	0	0	1
Richard's Pipit	Motacillidae	<i>Anthus richardi</i>	Migratory	0	0	0	1	0
Black Kite	Accipitridae	<i>Milvus migrans</i>	Resident	0	0	0	0	1
White Eye Buzzard	Accipitridae	<i>Butastur teesa</i>	Resident	0	0	0	0	1
Shikra	Accipitridae	<i>Accipiter badius</i>	Resident	0	0	0	0	1
Black Winged Kite	Accipitridae	<i>Elanus caeruleus</i>	Resident	0	0	0	0	1
Greater Coucal	Cuculidae	<i>Centropus sinensis parroti</i>	Resident	1	1	1	1	1
Asian Koel	Cuculidae	<i>Eudynamis scolopaceus</i>	Resident	0	0	0	0	1
Rose Ringed Parakeet	Psittaculidae	<i>Psittacula krameri</i>	Resident	0	0	0	0	1
Plum Headed Parakeet	Psittaculidae	<i>Psittacula cyanocephala</i>	Resident	0	0	0	0	1
Spotted Owllet	Strigidae	<i>Athene brama</i>	Resident	1	0	0	0	0
Indian Eagle Owl	Strigidae	<i>Bubo (bubo) bengalensis</i>	Resident	1	0	0	1	0
Barn Owl	Strigidae	<i>Tyto alba</i>	Resident	1	1	1	1	1
Mottled wood owl	Strigidae	<i>Strix ocellata</i>	Resident	1	0	0	0	0
Nightjar	Caprimulgidae	<i>Caprimulgus sp.</i>	Resident	0	0	0	0	1
Grey Francolin	Phasianidae	<i>Francolinus pondicerianus</i>	Resident	0	0	0	1	1
House Crow	Corvidae	<i>Corvus splendens</i>	Resident	0	0	0	0	1
Common Chiffchaff	Phylloscopidae	<i>Phylloscopus collybita</i>	Migratory	0	0	0	1	0
Black Redstart	Muscicapidae	<i>Phoenicurus ochruros</i>	Migratory	0	0	0	0	1
Indian Robin	Muscicapidae	<i>Saxicoloides fulcatus</i>	Resident	1	1	1	1	1
Oriental Magpie Robin	Muscicapidae	<i>Copsychus saularis</i>	Resident	0	0	0		1
Bluthroat	Muscicapidae	<i>Luscinia svecica</i>	Migratory	0	0	0	1	0
Long tailed Shrike	Laniidae	<i>Lanius schach</i>	Partially Migratory	1	1	1	1	1
Green Bee Eater	Meropidae	<i>Merops orientalis</i>	Resident	1	1	1	1	1
Brown Capped Pygmy Woodpecker	Picoides	<i>Dendrocopos nanus</i>	Resident	1	0	0	0	0
Red vented Bulbul	Pycnonotidae	<i>Picnonotus cafer</i>	Resident	1	1	1	1	1
Jungle Babbler	Leiothrichidae	<i>Turdoides striata</i>	Resident	0	0	1	0	0
Hoopoe	Upupidae	<i>Upupa epops</i>	Resident	0	0	0	0	1
Coppersmith Barbet	Capitonidae	<i>Megalaima haemacephala</i>	Resident	1	1	1	0	1
Indian Grey Hornbill	Bucerotidae	<i>Ocyrceros birostris</i>	Resident	0	0	0	0	1
Eurasian collared Dove	Columbidae	<i>Streptopelia decaocta</i>	Resident	0	0	0	0	1
Laughing Dove	Columbidae	<i>Spilopelia senegalensis</i>	Resident	0	0	0	0	1
Purple Rumped Sunbird	Nectariniidae	<i>Leptocoma zeylonica</i>	Resident	1	1	0	0	0
Purple Sunbird	Nectariniidae	<i>Cinnyris asiaticus</i>	Resident	1	1	1	1	1



Purple Heron



Grey Heron



White Eye Buzzard



Black Kite



Great Egret



Intermediate Egret



Shikra



Black Winged Kite



Cattle Egret



Indian Pond Heron



Grey Francolin



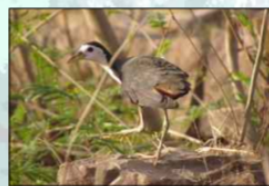
Bronze winged Jacanna



Asian Openbill



Little Cormorant



White Breasted Waterhen



Little Ringed Plover



Common Green Shank



Spotted Dove



Indian Eagle Owl



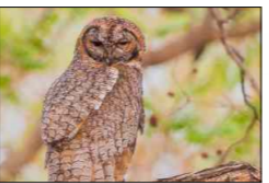
Spotted Owlet



Eurasian collared Dove



Laughing Dove



Mottled wood owl



Barn Owl



Rose Ringed Parakeet



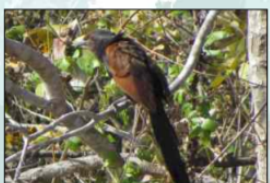
Plum Headed Parakeet



Indian Roller



Common Kingfisher



Greater Coucal



Asian Koel



White Breasted Kingfisher



Pied Kingfisher

Table.3. 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 Sarp	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 Sarp	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 Sarp	Cloubriidae	<i>Oligodon arnensis</i>
8	Common Wolf Snake	Samanya Koriya sarp	Cloubriidae	<i>Lycodon aulicus</i>
9	Checkered Keelback	Dhoriya Sarp	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.



Brahminy Worm Snake



Indian Rock Python



Common Sand Boa



Common Trinket Snake



Indian Rat Snake



Banded Racer



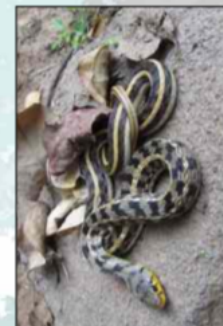
Common Kukri Snake



Common Wolf Snake



Checkered Keelback



Striped Keelback

In Nandan Van and Jungle Safari area all total 74 species were observed which belonged to 35 different avian families (table.2). Only nightjar and a warbler were not identified up to species level. Identification of common teal was doubtful due to single time long distance observation. 43 species were observed in the Wetland and its surrounding areas (WS) which were followed by outer area (O) with 41 species, Herbivore Kraal (HK) with 22 species, Bear Kraal (BK) with 16 species and 15 species were detected in Tiger Kraal (TK). Among all these 11 migratory and one local migratory species were observed (Table.2.; Fig.4.)

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

10 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.



Indian Fox



Common Palm Civet



Indian Grey Mongoose



House Shrew



Indian Field Mouse



House Mouse



Three Striped Palm Squirrel



Indian Flying Fox



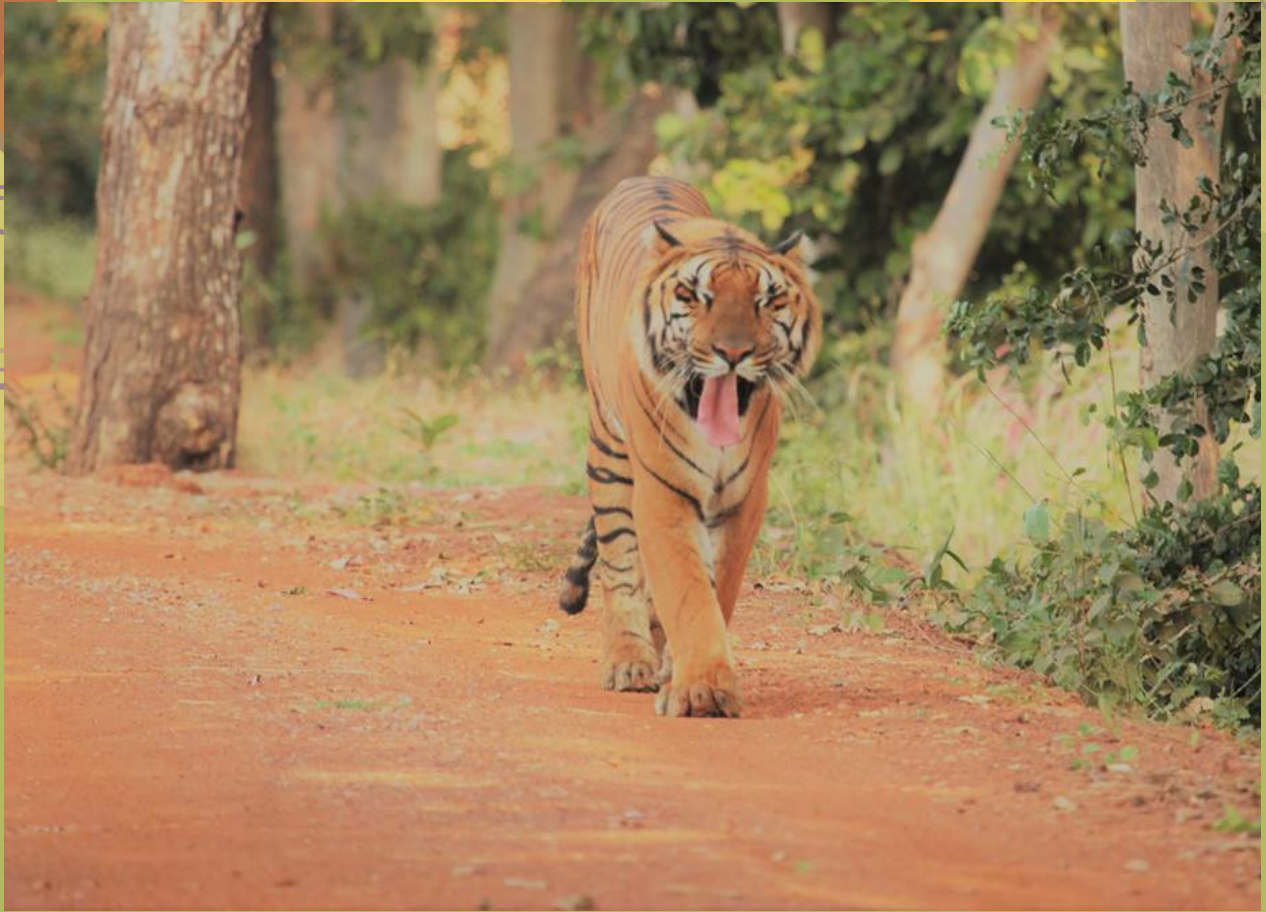
Black bearded Tomb Bat



Indian Hare

NANDANVAN JUNGLE SAFARI





TO ALL THIS AND MORE!

Thank you!

NANDANVAN JUNGLE SAFARI
NAYA RAIPUR, CHHATTISGARH

