



By Forest & Host



GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE  
**Central Zoo Authority**

F. No. 19-35/93-CZA(98) (Vol. I)(NS) / 8071

Email  
DATE: 18.11.2015

To

The Divisional Forest Officer  
Wildlife Division,  
Ranchi, Van Bahwan Campus,  
Doranda Ranchi (Jharkhand)  
Email: [dforanchiwild@gmail.com](mailto:dforanchiwild@gmail.com)

**Sub:-Renewal of recognition to Birsa Mrig Vihar, Kalamati, Jharkhand under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 30.06.2014-Reg.**

Sir,

The evaluation of the Birsa Mrig Vihar, Kalamati, Jharkhand was carried out by Dr. A.K. Malhotra on 08.06.2014. The evaluation report of the Birsa Mrig Vihar, Kalamati, Jharkhand as submitted by the evaluating officer was considered by the Technical Committee in its 76<sup>th</sup> Meeting of Central Zoo Authority held on 9<sup>th</sup> November, 2015.

The Central Zoo Authority has decided to grant renewal of recognition to Birsa Mrig Vihar, Kalamati, Jharkhand as "Mini Category Zoo" under Section 38H of the Wild Life (Protection) Act, 1972 for a period up to 30<sup>th</sup> November, 2017 subject to the compliance of the following conditions under the Recognition of Zoo (Amendment) Rules, 2013 and mid-term evaluation of the Zoo:-

S. No.	Norm No.	Condition Stipulated	Time Period to Comply
<b>1. General Requirements</b>			
1.	1(1)	The Zoo has been breeding among the existing population of deer (Chital & Sambar) since 1987. There has not been any effort to infuse new bloodline. This should be done as soon as possible including bringing down the population of animals according to the holding capacity of their enclosures	One year
2.	1(2)	Check dams and retaining walls should be provided to avoid top soil erosion and collection of rain water in natural depressions existing within the zoo landscape. If possible a plan to thin out the	One year

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		existing coppice Sal should be taken up to create grass / shrub patches with fruiting trees in both Sambar and Chital enclosure.	
3.	1(4)	Standoff barriers should be provided all along the guarded pathway as per the CZA specifications. Hardy shrubs should be planted in between the deer enclosure fence and standoff barrier to avoid deer and human interactions.	Six months
4.	1(5)	The perimeter fence should be replaced with 2 meter high masonry wall in a phased manner. Wherever, it is not possible to provide a masonry wall, double fence protection should be provided with an inspection path in between the fences.	Two years
5.	1(6)	The residential accommodation should be moved out of the animal enclosures with separate entry / exit gates.	Immediately
6	1(7)	a) Soil should be turned inside the animal enclosures on regular basis and enclosures disinfected to reduce soil borne parasites and diseases. b) All uneaten grains etc. should be removed from the animals enclosures on daily basis	With immediate effect
<b>2. Administrative &amp; staffing pattern</b>			
7.	2(1)	The Range Forest officer should be designated as whole time 'in-charge' of the Deer Park and adequate financial and administrative powers delegated with.	Immediately
<b>3. Development and planning</b>			
8.	3(3)	All future development of the zoo should be done as per the approved master plan only and APO(Annual plan of operation) prepared accordingly.	Immediately
9	3(6)	The future collection plan of animals to be displayed in the zoo should be prepared and got approved from CZA. Carrying capacity of animal enclosures should be fixed.	Immediately
<b>4. Animal housing, display of animals and animal enclosures</b>			
10.	4(6)	There exists opportunity to create near naturalistic habitat for both Chital & Sambar. Sal monotony may be broken by thinning and creating grassland and planting fruit bearing tree species like <i>Ber (ziziphus mauritiana)</i> , <i>Gular ( ficus racemosa)</i> , <i>bargad ( ficus benghalensis)</i> , <i>Jamun ( Syzygium cumini)</i> etc.	Two years

11.	4(9)	Standoff barriers should be provided all along the visitor pathway to prevent teasing and feeding of animals. Appropriate signage warning the visitors of consequences of violation may also be provided at various places	One year
<b>5. Upkeep and healthcare of animals</b>			
12.	5(2)	Suitably designed platforms should be provided in the feeding store for staking dry ration. Stainless Steel drums could be used for storage of choker, gram etc. Exhaust fans should be installed to reduce moisture inside the feed store.	One year
13.	5(4)	Kraals of dimensions prescribed by the CZA shall be created in both Chital and Sambar enclosure.	One year
14.	5(5)	Leftover food shall be removed from the enclosures on daily basis. Dung should also be removed from the enclosures periodically and in consultation with veterinary doctor.	Immediately
15.	5(8)	Herd animals should be screened periodically through random sampling for parasitic loads and prophylactic measures taken under guidance of the veterinary doctor. A written schedule should be prepared and implemented.	Immediately
16.	5(9)	All zoo staff involved in upkeep & healthcare of animals should be subjected to annual health checkup {stool & urine examination, sputum examination, blood examination and X-ray (PA view)} to avoid spread of Zoonotic diseases.	Immediately
17.	5(10)	Daily reporting by the animal keepers should be introduced through Keepers diaries and daily reports as per the CZA prescribed format.	Immediately
<b>6. Veterinary &amp; Infrastructure facilities</b>			
18	6(1)	A treatment room should be constructed for treating sick and injured animals. A kraal for recuperating of animals, a dispensary for storing life saving drugs and other veterinary equipments should also be provided with the treatment room.	One year
19	6(6)	The zoo should enter into a written agreement with the Veterinary College Ranchi or Zoo Authority of Jharkhand for 1. Veterinary support 2. Daily visit of a veterinarian.	Immediately

		3. Training of zoo personnel 4. Animal population management 5. Postmortem examination	
<b>7. Postmortem and disposal of carcass of animals</b>			
20..	7(1&2)	Every animal that dies in the zoo should be subjected to detailed postmortem by a registered veterinarian. The findings should be recorded in the CZA prescribed format and maintained at the zoo premises and open for inspection.	Immediately
21.	7(4)	A wood fired incinerator exists in the zoo, the same should be put into use for burning of animal carcasses and other bio wastes including shed antlers collected by the deer park over the years. Burying of dead animals should be avoided.	Immediately
<b>9. Acquisition and breeding of animals</b>			
22.	9(1&2)	Though not visible, inbreeding has taken place in the population over three decades. The Wildlife Division has a deer park under it at Dalma Wildlife Sanctuary as well as the Bhagwan Birsa Biological Park. Efforts should be made for selective swap of female animals amongst these deer population.	One year
23.	9(7)	The zoo should initiate programmes for restocking of Protected areas of the state with their surplus deer population by entering into an agreement with them and provide founder animals for breeding in soft release areas created specifically in the buffer zones of PA's. This will help in augmenting the ever decreasing prey base for carnivores in PA's of Jharkhand.	Two year
<b>10. Research activities</b>			
24.	10	The zoo authorities should enter into an agreement with local colleges for allowing graduate/postgraduate students to carryout their dissertation on various aspects of animal biology. The findings can help the zoo in better and scientific management of captive animals.	Immediately
<b>11. Education and outreach activity</b>			
25.	11(1)	a) The zoo could place interactive signages for children at strategic locations like at / near view points for engaging experience and learning. b) The existing flora (trees) inside the zoo could be provided with name plates having	Immediately


		information on their scientific name and their contribution to the humankind in form of medicine, wood etc. for easy identification by visitors and appreciation of ecosystem services.	
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A half yearly report regarding progress made in implementation of the aforesaid condition should be submitted to the Central Zoo Authority.

Grant of recognition Birsa Mrig Vihar, Kalamati, Jharkhand beyond the period of 30<sup>th</sup> November, 2017 would be considered on the basis of compliance of the condition stated above and general performance of the Zoo at that point of time.

The recognition to the Birsa Mrig Vihar, Kalamati, Jharkhand shall be revoked by the Central Zoo Authority, at any point of time if the Zoo Operator is found not complying with the above stipulated conditions.

**Yours faithfully,**

  
**(Vinod Ranjan)**  
**Member Secretary**

**Copy to:-**

1. The Chief Wildlife Warden, Government of Jharkhand, Ranchi for favour of information and with a request that the stipulated conditions may be got implemented.
2. Mr. Vivek Goel, DPA, CZA.

  
**(Vinod Ranjan)**  
**Member Secretary**





Registered Post



GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS  
**Central Zoo Authority**

जहाँ है हरियाली।  
वहाँ है खुशहाली।।

**THROUGH REGISTERED POST**

F. No. 19-131/93-CZA(51)(M)/2564

DATE: 09.04.2013

To

The Divisional Forest Officer  
Wildlife Division,  
Ranchi – 2 (Jharkhand).

**Sub:- Grant of renewal of recognition to Birsa Mrig Vihar, Kalamati under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 30.06.2012.**

Sir,

Reference is invited to your letter No. 1010 dated 27.06.2012 seeking renewal of recognition to Birsa Mrig Vihar, Kalamati under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 30.06.2012.

The evaluation of the Birsa Mrig Vihar, Kalamati was carried out by Dr. G. K. Dubey on 28.02.2013. The evaluation report of Birsa Mrig Vihar, Kalamati as submitted by the evaluating officer was considered by the Technical Committee in its 65<sup>th</sup> Meeting held on 22<sup>nd</sup> March 2013.

The Central Zoo Authority has decided to grant of recognition to Sundervan Nature Discovery Centre, Ahmedabad as "a Mini Category Zoo" under Section 38H of the Wild Life (Protection) Act, for a period up to 30.06.2014 subject to the compliance of the following directives under the Recognition of Zoo Rules, 2009 and mid-term evaluation of the zoo:-

S. No.	Norm No.	Condition Stipulated	Time Period to Comply
<b>1. General Requirements</b>			
1.	1.1 (c)	Introduction of new animals (new blood) are required to increase the genetic viability of animals.	Within six months
2.	1.5 (b)	Construction of a perimeter wall of at least 2 meter height from the ground level on both sides is required.	Within six months
3.	1.6	The residential complex for the animal keepers provided within the zoo campus of Deer Park should be separated from the animal enclosures is by providing appropriate barrier.	With immediate effect
4.	1.7	Make provisions to reduce the soil erosion of the area.	Within one year
<b>3. Development and Planning</b>			
5.	3.4	Create the quarantine and isolation area.	Within six months

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<b>5. Upkeep and Healthcare of Animal</b>			
6.	5.2 (6)	Random food and water samples are being tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory.	With immediate effect
<b>7. Post-mortem and disposal of carcasses of animals</b>			
7.	7.1 (a)	The post-mortem findings are recorded in the format prescribed as the CZA.	With immediate effect
8.	7.1 (b)	The Post-mortem room constructed at the Deer Park should be separated from the animal enclosures area by providing appropriate barrier.	With immediate effect
<b>11. Education and outreach activities</b>			
9.	11.2	The zoo first aid facilities including snake anti-venom and life saving drugs, readily available in the zoo premises.	With immediate effect

A half yearly report regarding progress made in implementation of the aforesaid conditions should be submitted to the Central Zoo Authority.

Grant of recognition to Birsa Mrig Vihar, Kalamati beyond 30.06.2014 as "a Mini Category Zoo" would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

The recognition to the Birsa Mrig Vihar, Kalamati shall be revoked by the Central Zoo Authority, at any point of time if the Zoo Operator is found not complying with the stipulated conditions.

A copy of evaluation report is also enclosed herewith for your ready reference to improve the conditions of Zoo.

Yours faithfully,  
sd/-  
(B. S. Bonal)  
Member Secretary

**Encl: evaluation report**

Copy to:-

1. The Chief Wildlife Warden, Government of Jharkhand, Ranchi for favour of information and with a request that the stipulated conditions may be got implemented.
2. Mr. Vivek Goel, DPA, CZA.

  
(Dr. Brij Kishor Gupta)  
Evaluation and Monitoring Officer





# केन्द्रीय चिड़ियाघर प्राधिकरण Central Zoo Authority

(STATUTORY BODY UNDER THE MINISTRY OF ENVIRONMENT & FORESTS, GOVT. OF INDIA)

Bikaner House, Annexe VI,  
Shahjahan Road, New Delhi - 110011  
website : <http://www.cza.nic.in>

**BY REGISTERED POST**

**F. No. 19-131/93-CZA(51)(M)**

**DATE: 19.05.2009**

To

The Divisional Forest Officer  
Wildlife Division,  
Ranchi (Jharkhand).

**Sub:- Renewal of Recognition to Birsa Mrig Vihar, Kalamati beyond the period of 31.03.2008 under Section 38 H of the Wild Life (Protection) Act - Regarding.**

Sir,

Reference is invited to your letter No. 611 dated 27.06.2008 seeking renewal of recognition for the Birsa Mrig Vihar, Kalamati beyond the period of 31.03.2008 under Section 38H of the Wild Life (Protection) Act, 1972.

The evaluation of the Birsa Mrig Vihar, Kalamati was carried out on 2<sup>nd</sup> March, 2009 by Dr. Brij Kishor Gupta, Evaluation and Monitoring Officer, CZA. The evaluation report of the Birsa Mrig Vihar, Kalamati as submitted by the evaluating officer was considered by the Technical Committee in its 50<sup>th</sup> Meeting held on 24<sup>th</sup> March, 2009.

The Central Zoo Authority has decided to grant of recognition to Birsa Mrig Vihar, Kalamati as a Mini category Zoo under Section 38H of the Wild Life (Protection) Act, for a period up to 30<sup>th</sup> June, 2012 subject to the compliance of the following directives under the Recognition of Zoo Rules, 1992:-

S. No.	Relevant Norm No.	Conditions	Time Period
<b>General</b>			
1.	3A	The Rose ring parakeet housed in a small box type aviary at the entrance does not meet the biological requirement of the animals, therefore, the birds may be released into the wild or appropriate size should be provided to house Rose ring parakeet.	With immediate effect

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2.	11	The residential complex for the animal keepers provided within the campus of Deer Park should be separated from the animal enclosures area by providing appropriate barrier.	With immediate effect.
3.	11A	The Deer Park Operator should prepare a collection plan of the animals to be housed and displayed in the Park, keeping due regard to the availability of land, water, electricity and climatic condition of the area. The Deer Park should restrict exhibiting the animals as per the recommended concept plan communicated by this office letter dated 4.3.2009.	Six months
<b>Animal Enclosures – Design, Dimensions and other Essential Features</b>			
4.	17	The Park should keep only such number of Spotted deer keeping in view of the carrying capacity of the existing animal enclosures.	Three months
<b>Hygiene, Feeding and Upkeep</b>			
5.	21	The feed store should be provided with elevated wooden platform for storing the food safely and should be made rodent proof.	Three months
6.	22	The Deer Park should provide a proper waste disposal system for treating the both the solid and liquid wastes generated in the Deer Park.	Six months
7.	23	The unused electric waste lying within the animal enclosures should be removed immediately.	With immediate effect
8.	24	(i) The Deer Park Operator should make available round the clock supply of water for drinking purposes in each enclosure.  (ii) The plastic water troughs provided inside the animal enclosure should be replaced with cemented water trough at suitable placed with appropriate height. As in the plastic water troughs the water gets hotter in summer and difficult to clean. The water troughs should also have provision of drainage and should be places in shaded area.	With immediate effect  With immediate effect
<b>Animal Care, Health and Treatment</b>			
9.	26	The animal shall be handled only by the staff having appropriate experience and training in handling the animals. Every care shall be taken to avoid discomfort/ behavioral stress or physical harm to any animal.	With immediate effect

10.	29	The Deer Park Operator should arrangement medical checkups of staff handling animals for screening against zoonotic diseases every six months.	With immediate effect
11.	30	The Park shall maintain separate herd sheet for Spotted deer and Sambar.	With immediate effect
<b>Veterinary facilities</b>			
12.	34	The Postmortem room constructed at the Deer Park should be separated from the animal enclosures by providing an appropriate barrier.	Six months
<b>Breeding of Animals</b>			
13.	36	The Deer Park should keep of such number of animals of such species for which appropriate housing facility exists. The Deer Park Operator shall be responsible for ensuring that the number of animals of any species does not go beyond the holding capacity of the enclosures available in the Zoo and housing standards are not compromise for keeping the excessive numbers.	With immediate effect
<b>Education &amp; Research</b>			
14.	45	Every enclosure in the Park should bear a sign board displaying scientific and biological information regarding the animals exhibited in it.	Three months
<b>Development &amp; Planning</b>			
15.	51	The Deer Park should prepare a long-term (for a minimum period of 10 years) master plan for its development including a management plan for next six years giving details of the proposals and activities of development during the period. The copies of the said plan shall be sent to the Central Zoo Authority for its approval. The guidelines circulated by the Central Zoo Authority with regard to preparation of Master Plan should be strictly followed.	Immediately

A half yearly report regarding progress made in implementation of the aforesaid conditions should be submitted to the Central Zoo Authority.

Grant of recognition to Birsa Mrig Vihar, Kalamati beyond 30<sup>th</sup> June, 2012 would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

The recognition to the Birsa Mrig Vihar, Kalamati shall be revoked by the Central Zoo Authority, at any point of time if the Zoo Operator is found not complying with the stipulated conditions.

**Yours faithfully,  
sd/-  
(B. R. Sharma)  
Member Secretary**

Copy to the Chief Wildlife Warden, Government of Jharkhand, Ranchi for favour of information and with a request that the stipulated conditions may be got implemented.

**(B. R. Sharma)  
Member Secretary**