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Ref.No.: NFCL/ MZ/KKD/CZA-Corp/2017-

Date: 06.06.2017

To
The Member Secretary
Central Zoo Authority of India
B-1 Wing, 6th Floor, Pandit Deen Dayal Antyodaya Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003

Respected Sir

Sub: Submission of Statutory Annual Report of the Zoo to Central Zoo Authority for the year 2016-17:Reg.

Reference to your office letter no. F. No. 19-157/93- CZA (17) (Vol.IV) (NS)/8075 dated 26.11. 2015 and F.No.18-2/2017-CZA dated 26.04.2017 received on 28.04.2017.

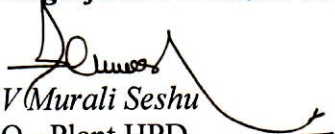
The statutory Annual Report for the year 2016-17 in regards to compliances for the conditions stipulated in the evolution report for renewal of recognition for the Deer Park, Nagarjuna Fertilizers and Chemicals Limited, Kakinada has been attached herewith in prescribed format please.

It is further submitted that, the PDF copy of the afore mentioned letters and activities undertaken at this deer park NFCL during this year 2016-17 is also forwarded please.

Submitted for favor of kind information and perusal please.

Thanking you

Yours faithfully
for Nagarjuna Fertilizers and Chemicals Limited


SDV Murali Seshu
CSO - Plant HPD
06.06.2017

Enclo: As above

The statutory Annual Report of the Deer Park, NFCL, Kakinada for the year 2016-17 mentioning the compliances for the conditions stipulated in the letter F.No.19-157/93-CZA (17) (Vol. IV) (NS) / 8075 dated 26.11.2015 of the Member Secretary, CZA, New Delhi.

Sl No	Norm No	Condition Stipulated	Compliance
1. General Requirements			
1	1 (7)	The arrangements shall be pucca and for which the Mini Zoo should be closed one day in a week, so that disposal of solid and liquid waste can be done without abstraction.	Instructions are noted. Disposal of solid and liquid wastes is being carried out at regular intervals from all the enclosures once in a week.
4. Animal Housing, Display of Animals and Animal Enclosures.			
2	4 (3)	The open enclosures for the spotted Deer and Sambars have a number of foreign objects like hanging barbed wire, plantation boards, pipes along the wall etc. Which cause injuries to the animals while they run in the enclosures? All such foreign objects should be removed.	All such foreign objects have been removed from the open enclosures of the Deer Park.
3	4 (4)	The space provided for the Sambars can be increased by extending it in to adjoining areas or re-designing by including the children's park area.	Extension of Sambar enclosure in to the adjoining area has been taken up and the work is in progress.
	4 (7)	Pea fowl are kept in 2 cages and the Pea cocks are getting excited due to lack of segregating arrangements. It should be done till they are shifted from the Mini Zoo.	All the Pea fowls were shifted to Indira Gandhi Zoological Park, Visakhapatnam as per your letter no. 19-157/93-CZA (17) (Vol.IV) (NS) / 949 / 2016 dated 22.06.16 on 10.08.16 under proper acknowledgement.
	4 (9)	Stand off barriers for the herbivores have not been provided. This should be designed as per CZA specifications.	Standoff barriers have been provided at all the enclosures of the herbivores.
	4 (10)	More number of signage's have to be provided.	Increased the number of signage's at overall the as instructed..

5. Upkeep and Health care of Animals			
4	5 (1) (i)	<i>There is an open drain running across the ungulates enclosure. It should be covered.</i>	<i>The top of the storm water drain passing across the Deer Park has been covered to ground level as per the conditions stipulated by CZA.</i>
5	5 (2) (1)	<i>The feed to ungulates and Pea fowl and Star Tortoises is to be of good and standard quality. The opinion and suggestion in this regard can be obtained from Indira Gandhi Zoological Park for processing such feed in future.</i>	<i>Instructions are noted. The feed to ungulates is being offered with standard quality and quantity as per suggestions of the Indira Gandhi Zoological Park, Visakhapatnam. However, the Pea fowls and Star Tortoises were shifted to Indira Gandhi Zoological Park, Visakhapatnam as per the direction of CZA vide letter No.F.No.19-157/93-CZA(17) (Vol.IV) (NS) / 949 / 2016 dated 22.06.16.</i>
6	5 (2)	<i>Instead of providing the food and fodder for ungulates at one place, the distribution of food should be evenly done so that all the animals will have access to the feed. More number of staff should be provided and evenly distributed in the enclosures for access to all the animals. Feed schedule as being followed in Indira Gandhi Zoological Park can be adopted. The removal of left over fodder and excreta are not being done on a regular basis. This can be done on the day when the enclosure is close for public. A schedule of hygiene and prophylactic measures should be prepared on the lines of Indira Gandhi Zoological Park, and followed.</i>	<i>The feed and fodder for ungulates is being distributed on the Multiple feeding platforms, feed troughs and also at the points of access to the animals. Feed and fodder is being evenly supplied to all the animals. The feed schedules that are being followed at Indira Gandhi Zoological Park, Visakhapatnam has been obtained and adopted accordingly. The left over fodder residues from the animal enclosures are being removed twice a week. The schedule of hygiene and prophylactic measures that are being maintained at Indira Gandhi Zoological Park, Visakhapatnam have been obtained and adopted.</i>

7	5 (3)	<i>Screening for parasitic loads should be practiced on regular basis and no schedule has been prescribed. It should be obtained from Indira Gandhi Zoological Park and followed.</i>	<i>Screening for parasitic loads for the animals is being done once in three months with the help of Government Animal Disease Diagnostic Lab, Kakinada. However, the schedule that is being maintained at Indira Gandhi Zoological Park have been obtained and adopted.</i>
9. Acquisition and Breeding of Animals			
8	9 (1)	<i>The spotted Deer breeding profusely resulting in in-breeding. The excess animals should be translocated to protected areas in the district expeditiously. Apart from this new blood can be taken by exchanging the animals. The Pea fowl and Star Tortoise should be shifted to Indira Gandhi Zoological Park.</i>	<i>Instructions are noted. Regarding the translocation of the excess Deers to protected area and introduction of new blood among Deers on exchange basis, we have consulted with the D.F.O., Forest Department, Kakinada. However, the Pea fowls and Star Tortoises were shifted to Indira Gandhi Zoological Park, Visakhapatnam as per the direction of CZA vide letter No.F.No.19-157/93-CZA(17) (Vol.IV) (NS) / 949 / 2016 dated 22.06.16</i>

Activities under taken at the Deer Park, NFCL, Kakinada during the year 2016-17

01. *Shifting of Pea fowls and Star Tortoises to Indira Gandhi Zoological Park, Visakhapatnam from this Deer Park has been made as per F.No.19-157/93 CZA (17) (Vol.IV) (NS) / 949/2016 dated 26.06.16 of CZA.*
02. *The top of the storm water drain passing across the Deer Park has been covered to ground level as per the conditions stipulated by CZA.*
03. *Construction of new water troughs at the Deer Park and Sambar Park has been provided.*
04. *Extension of Sambar Park has been made as per suggestion of CZA.*
05. *Provision of Stand off barriers to Animal enclosures have been made.*
06. *More number of signage boards to create awareness among the public on conservation of wild life and their habitats have been displayed.*
07. *Foreign objects like hanging barbed wires and projecting PVC pipes along the walls of animal enclosures have been removed.*

Other routine activities:

01. *Disease surveillance, visual health checkup of animals is being done by a veterinarian regularly.*
02. *Monitoring the sanitation and disinfection processes are being done.*
03. *De-worming of animals and fecal matter analysis is being done as per schedule.*
04. *Distribution of feed and fodder as per schedule is being monitored.*
05. *Records maintenance like inventory of animal's i.e. stock position, births and deaths etc, de-worming treatment cards, history sheets species wise and PM recordings are being done.*
06. *Enrichment of animal enclosures, plantation of shade trees, development of landscaping at animals enclosures is being made.*
07. *Arrangements for removal of solid and liquid excreta and left over dried fodder residue from the animal enclosures is being made at regular intervals.*