

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

EXHIBIT - C  
All By Email



THROUGH EMAIL

F. No. 26-1/2010-CZA(Vol. IV)(M) | 3797

DATE: 01.11.2013

To

1. Shri S. K. Patnaik, Member, CZA, 81, Fishery Lane, Budheswari Colony, Bhubaneswar – 751 006 (Orissa)
2. Shri S. C. Sharma, Addl. DGF (WL) (Retd.), 411, New Delhi Apartments, Plot No. 7, Vasundhara Enclave, Delhi – 96
3. Dr. K. K. Sharma, Professor, Department of Surgery, College of Veterinary Science, Assam Agriculture University, Khanpara, Guwahati – 781 022 (Assam)

**Sub:- Minutes of the follow up of 1<sup>st</sup> Stakeholders Meeting (18.03.2013) on "Elephant Upkeep in Zoos" held on 25<sup>th</sup> October, 2013.**

Madam/ Sir,

I am directed to forward the draft Minutes of the follow up of 1<sup>st</sup> Stakeholders Meeting (18.03.2013) on "Elephant Upkeep in Zoos" held on 25<sup>th</sup> October, 2013 for your comments. You are requested to kindly send your comments within 7 days from the date of issue of this letter for its finalization.

Yours faithfully,

(Dr. Brij Kishor Gupta)  
Evaluation and Monitoring Officer

Encl: as above

Handwritten initials and date: 28/11/13

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**CENTRAL ZOO AUTHORITY**  
**(Ministry of Environment and Forests)**

**Minutes**  
**of the**  
**Follow up of 1<sup>st</sup> Stakeholders Meeting (18.03.2013) on "Elephants Upkeep**  
**in Zoos"**  
**National Zoological Park, New Delhi**  
**25<sup>th</sup> October 2013**

The follow up of 1<sup>st</sup> Stakeholders Meeting (18.03.2013) on "Elephants Upkeep in Zoos" was held on 25<sup>th</sup> October, 2013 under the chairmanship of Shri B. S. Bonal, Member Secretary, Central Zoo Authority in the Education Hall of the National Zoological Park, New Delhi. The list of participants is annexed at **Annexure – I**.

The Member Secretary, Central Zoo Authority welcomed the Members of the Central Zoo Authority and participants. At the outset the Member Secretary, Central Zoo Authority in of the Meeting delivered a presentation on the status of housing of elephants in zoos and the progress on the transfer of elephants from Zoos to Forest Camps/ Rescue Centres located in Reserve Forest/ National Parks and Wildlife Sanctuaries. Afterwards, Member Secretary welcomed the Director of the Zoos to deliver a brief presentation on the compliance status with respect to the conditions stipulated during the meeting of the Stakeholders on Elephant Upkeep in Zoos held under the Chairmanship of the Addl. DGF (WL) at Paryavaran Bhawan, CGO Complex, Lodi Road, New Delhi on 18<sup>th</sup> March, 2013. The recommendations by the Committee Members during each zoo presentation are given below:-

S. No.	Name of the Zoo	Existing number of Elephant		Recommendations as of Stakeholders Meeting dated 18.03.2013	Recommendation
		Male	Female		
01	Arignar Anna Zoological Park, Vandalur, Chennai, Tamil Nadu	04 (5y) (4y) (3y) (1.5y)		(i) Recommended to retain <u>11(4:7)</u> elephants subject to increase the area for elephants to 25 hac. Where not more than 12 elephants can be housed at any point of time. (ii) The facility should act as an elephant care centre. (iii) Rescued elephants, after treatment, should go to the forest camps soon after they are fit. (iii) Efforts should be made to raise the rescued calves in Forest Camps. The existing enclosure	Presentation was delivered by Dr. B. C. Archana Kalyani, Deputy Director and submitted consent to comply with recommendation of CZA as decided in the Stakeholders Meeting and allowed to house the elephant as complied with following improvements:-  (I) Dense plantation along the visitors' side, so as to have screening, should be carried out. (II) The smaller vertical and horizontal logs provided as a environment enrichment should be added by the large logs. (ii) Members desired that the zoo should retain existing



			<p>is large enough and the available space can be increased by using various enrichment</p> <p>(iv) The inclusion of rescued elephants with the existing animals might pose a health hazard for both the existing as well as the rescued animals as the pathogens present cannot always be detected and treated before such introductions.</p> <p>(v) The Zoo has a lake located inside the boundary of the park to which the animals can be taken on a rotational basis for bathing every day atleast for 2 hours for each animal.</p>	<p>area and the number of elephants should not exceed 6 numbers of elephants.</p> <p>(iv) The shower like structure are not required in the enclosure.</p> <p>(v) It was decided that the in case the zoo receives additional rescued elephant may develop a transit facility near the existing rescue centre where circus animals are housed.</p> <p>(vi) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA.</p>
02	Assam State Zoo, Guwahati, Assam	03	<p>(i) Recommended to retain existing 3 (0:3) elephants subject to increase of the area for elephants to 10 hac. , where not more than 6 elephants should be housed at any point of time.</p> <p>(ii) The facility should act as an elephant care centre.</p> <p>(iii) The zoo should provide alternate area (near old white winged wood duck enclosure) which also has a water body.</p> <p>(iv) The zoo may explore the possibilities of dealing the female elephant Deepa, in constant agony, appropriately may be euthanised in consultation with the Chief Wildlife Warden, Assam.</p> <p>(v) Deepa elephant should never be used for display purposes.</p>	<p>Sh. Suresh Chand, Chief Wildlife Warden, Government of Assam placed the view to comply with recommendation of CZA, as decided in the Stakeholders Meeting,, however requested to provide more space for frequently received elephants to keep as rescue centre and assed of expeditious action for Deepa. The Director, Sh. C. Bora presented and the zoo is allowed to house the elephant with following improvements:-</p> <p>(i) The euthanasia of female elephant (Deepa) should be expedited.</p> <p>(ii) There should be proper facility for housing of 4 adults and separate transit facility for housing calves &amp; received elephants.</p> <p>(iii) The zoo should follow the uniform structure design for new elephant house and enclosure.</p> <p>(iv) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for</p>

03	Bhagwan Birsa Biological Park, Ranchi, Jharkhand	02 (14y) (9y)	01 (15y)	<p>(i) Recommended to retain existing 3 (2:1) elephants subject to increase of the area for elephants to 10 hac., where not more than 5 elephants should be housed at any point of time.</p> <p>(ii) The facility should act as an elephant care centre.</p> <p>(iii) Large area is available and if welfare conditions are met then animals can be housed at the Zoo if zoo agrees to meet with conditions within stipulated timeline.</p> <p>(iv) The enclosure should have a large water body which can have running water flowing through it using a pipeline if a natural waterbody of adequate size is not present in the zoo.</p>	<p>approval from CZA.</p> <p>Dr. Ajay Kumar, Zoo Veterinarian, delivered presentation with compliance of recommendations of CZA as decided in Stakeholders Meeting and is allowed to house the elephant with following improvements:-</p> <p>(i) The animal house should have proper ventilation.</p> <p>(ii) The area should be increased to 10 hectares.</p> <p>(iii) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA.</p>
04	Nandankanan Zoological Park, Bhubaneswar, Odisha	02 (3.7) (2.8)	05 (58y) (48y) (15y) (4y) (2mths)	<p>(i) Recommended to retain existing 7 (2:5) elephants subject to increase the area for elephants to 8 hac.</p> <p>(ii) The facility should act as an elephant care centre.</p> <p>(iii) Large area is available and if welfare conditions are met then animals can be housed at the Zoo if zoo agrees to meet with conditions within stipulated timeline</p>	<p>Dr. S. Panda, Director, Nandankanan Zoological Park, Bhubaneswar delivered presentation with compliance of recommendations of CZA as suggested during Stakeholders Meeting and allowed to house the elephant with following improvements:-</p> <p>(i) The zoo allow to keep maximum 6 elephants on area of 14 acres with the provision to extend in future.</p> <p>(ii) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA.</p>
05	Dr. Shivaram Karanth Pilikula Biological Park, Mangalore, Karnataka	0	0	<p>(i) Recommended to retain existing 2 (0:2) elephants subject to increase of the area for elephants to 10 hac., where not more than 5 elephants should be housed at</p>	<p>As all the elephants have been transferred. No discussion was required.</p>

				<p>any point of time.</p> <p>(ii) The facility should act as a elephant care centre.</p> <p>(iii) The animals to be shifted to a new area earmarked for future expansion area, away from the Tiger, Panther enclosures as approved by the Central Zoo Authority in Master (layout) Plan.</p>	
06	Kamla Nehru Prani Sangrahalaya, Indore, Madhya Pradesh	01 (43)	01 (48yrs)	<p>(i) Recommended to retain existing 2 (1:1) elephants subject to increase of the area for elephants to 3 hac., where not more than 3 elephants should be housed at any point of time.</p> <p>(ii) The facility should act as a elephant care centre.</p> <p>(iii) As the female (Champa) have no companion in the park and it is recommended that the female elephant from Kamla Nehru Zoological Garden, Ahmedabad may also be shifted to Indore.</p> <p>(iv) Male elephant in constant Musth should have off-exhibit musth enclosure with protected contact (1 ha of area)</p>	<p>Presentation was made by Dr. Uttam Yadav, Director, Kamla Nehru Prani Sangrahalaya, Indore.</p> <p>As the matter with regard to shifting of elephants is sub-judice, and Hon'ble Court decision is awaited, no decision was taken. However, the members desired that the no construction with respect to housing of elephants should be taken up at the zoo till the directive from the Hon'ble Court is received.</p>
07	Sanjay Gandhi Biological Park, Patna, Bihar	00	01 (39yrs)	<p>Since, Sanjay Gandhi Biological Park, Patna does not have adequate area, the elephant should be shifted to <u>Bhagwan Birsa Biological Park, Ranchi.</u></p>	<p>Sh. S. Chandrasekar, Director, Sanjay Gandhi Biological Park, Patna delivered presentation and conveyed the request of Chief Wildlife Warden, Bihar to allow retaining the elephant in zoo, considering the past history of the elephant sent to the Valmiki Tiger Reserve, which are suffering from arthritis. Members decided not to retain. It was decided by the members that the decision taken during previous meeting for transferring the</p>

					elephants to Bhagwan Birsa Biological Park, Ranchi should be complied and compliance report should be submitted to the Central Zoo Authority.
08	Bannerghatta Biological Park, Bengaluru, Karnataka	02	09 (12mths to 72 yr)	<p>(i) Recommended to retain existing 11 (2:9) elephants subject to increase the area for elephants to 30 hac. Where not more than 15 elephants should be housed at any point of time.</p> <p>(ii) The facility should act as an elephant care centre.</p> <p>(iii) If the zoo can provide appropriate welfare conditions and meet specific needs of the animals, then they may be retained in the Biological Park with Increased area.</p> <p>(iv) The boundary wall should be strengthened. No chaining is permitted.</p> <p>(v) No permission for elephant safari shall be given.</p> <p>(vi) The 10 ha area should be fenced for keeping the animals free in night time, however, a total area of 30 ha should be earmarked.</p>	Sh. Range Gowda, Executive Director, Bannerghatta Biological Park, Bangalore did presentation complying recommendation of CZA as decided in Stakeholders Meeting and allowed to house the elephant with following improvements:- (i) No elephant safari is permitted since the elephants are very powerful and smash any safari vehicle at any point of time. (ii) The animal houses should be constructed with provision of the night shelter and feeding for each elephants. (iii) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA.
09	Sri Chamarajendra Zoological Garden, Mysore, Karnataka	03 (15y) (6 y) (3 y)	05 (56 y) (31 y) (7 y) (7 y) (7 y)	<p>(i) Recommended to retain existing 8 (3:5) elephants subject to increase of the area for elephants to 10 hac. Where not more than 5 elephants should be housed at any point of time.</p> <p>(ii) (iii) The facility should act as an elephant care centre.</p> <p>(iv) The Asian elephant exhibit facility in the existing zoo should be closed &amp; made available for African elephant.</p> <p>(v) The Asian</p>	Sh. B. P. Ravi, Executive Director did presentation with compliance of recommendation of CZA as decided in the Stakeholders Meeting with some changed in site and allowed to house the elephant with following improvements:- (i) The facility should be created at Kurughalli rescue and conservation centre. (ii) As per the Appraisal Committee Members, the elephants are overweight, therefore, food (constraints) should be cut off and grass and forage should be included and more exercise



				elephants sharing area with the African elephants should not be sent to wild at any point of time as preventive measures for spreading herpes virus.	should be given. (iii) The food should be kept in different area of the enclosure in order to keep the elephants active and maximize the utilization of the animal enclosure. (iv) The habitat/ housing of African elephants should not be shared with the Indian elephant, if so, virus sanitization should be done.
10	National Zoological Park, New Delhi	02 (32) (14) Africa	01 (32 Y)	(i) Recommended to retain existing 3 (2:1) elephants subject to increase of the area for elephants to 5 hac. Where not more than 3 elephants should be housed at any point of time. (ii) The facility should act as an elephant care centre. (iii) Increase the area to the back side of the enclosure. (iv) Close the animal houses from the front by providing adequate screening. (v) The new enclosure as proposed may be used for elephants in musth. (vi) The Asian elephants sharing area with the African elephants should not be sent to wild at any point of time as preventive measures for spreading herpes virus.	Sh. Amitabh Agnihotri, Director did presentation with compliance of recommendation of CZA as decided in the Stakeholders Meeting with some changed in site and allowed to house the elephant with following improvements:- (i) Extend the area to 2.2. acres for housing of elephants. (ii) Opening of animal houses should be closed by wall with proper ventilation large logs from the visitors side. (iii) The Indian elephant and African elephants should be kept separately. (iv) The enclosure design including environmental enrichment should be submitted to the CZA for its approval.  The members also desired to that the African elephants should be shifted to empty enclosure meant for African elephant and to increase the area to 2 acres.
11	Rajiv Gandhi Zoological Park and Wildlife Research Centre, Pune, Maharashtra	00	02 (13.5 y) (13.8 y)	(i) Recommended to retain existing 2 (0:2) elephants subject to increase the area for elephants to 4 hac. Where not more than 5 elephants should be housed at any point of time. (ii) The facility should act as an elephant care centre.	Sh. Suresh M. Jagtap, Director did presentation with compliance of recommendation of CZA as decided in the Stakeholders Meeting with some changed in site and allowed to house the elephant with following improvements:- (i) The floor of the night houses/ shelter should be made kuccha immediately. (ii) The existing vegetation should be protected making appropriate devices.

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					<p>(ii) Large wooden logs should be added as the environment enrichment of the enclosure.</p> <p>(iv) Appropriate screening by vegetation should be provided towards visitors viewing area.</p> <p>(v) The zoo should explore possibility to use the smaller part of the adjoining lake with appropriate depth of water for elephants.</p> <p>(vi) The elephants housed at zoo are overweight, more exercise/ walk (5-10 km) should be undertaken daily.</p> <p>(vii) The elephant may be used to bring their own fodder daily.</p>
12	Thiruvananthapuram Zoo, Thiruvananthapuram Kerala	01 (32)	01 (79 y)	<p>((i) Recommended to retain 1(0:1) old female elephant as she is too old for shifting.</p> <p>(iii) The male, who is much younger to her, should be shifted immediately to the Kappukad Elephant Centre in the state at the earliest.</p>	Sh. B. Joseph, Director did presentation with compliance of recommendation of CZA as decided in the Stakeholders Meeting & assured shifting of male elephant to the Kappukad Elephant Centre within one month period.
13	Veermata Jijabai Bhosale Udyan-Zoo, Byculla, Mumbai, Maharashtra	00	02 (46 y) (54 y)	<p>(i) Recommended to retain 0:2 elephants as there is no alternate facility available to increase the area to 1 hac. The elephant should be allowed to move freely without chain till the CWLW finds adequate Forest Camp in WLS/ NP.</p> <p>(iii) If CWLW, Maharashtra finds a place may shift the elephants, it should be done.</p>	<p>The presentation was delivered by Sh. K. A. Mishrikotkar, DFO.</p> <p>It was decided that the Chief Wildlife Warden, Govt. of Maharashtra should initiate necessary action for shifting of the elephants of V. J. B. Udyan Zoo, Byculla to Kappukad Elephant Centre in Kerala in consultation with the Chief Wildlife Warden, Govt. of Kerala or may explore to take up matter with Chief Wildlife Warden, Haryana to shift to Elephant camp at Bansantour.</p>
14	M.C. Zoological Park, Chhatbir, Punjab	02 (65) (7)	04 (60 y) (31 y) (48 y) (32 y)	<p>(i) Recommended to retain existing 6 (2:4) elephants subject to increase the area for elephants to 8 hac., where not more than 6 elephants should be housed at any point of time.</p> <p>(iii) The zoo is willing to provide much</p>	<p>The presentation was delivered by Dr. Manish Kumar, Field Director. With compliance of recommendation of CZA as decided in Stakeholders meeting and also to retain with following improvements:</p> <p>(i) The proposed area for housing of elephants should</p>

				<p>bigger wooded space. Elephants may be retained if appropriate area and care can be given to these animals and specific welfare conditions can be met with.</p>	<p>be re-designed at herbivore safari area. be utilized.  (ii) For the movement of elephant the minimum 8 hectare area should be earmarked near Ghaggar River.  (iii) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA.</p>
15	Nehru Zoological Park, Hyderabad, Andhra Pradesh	01 (31)	04 (40 y) (74 y) (42 y) (39 y)	<p>(i) Recommended to retain existing 5 (1:4) elephants subject to increase the area for elephants to 8 hac. Where not more than 5 elephants should be housed at any point of time.  (iii) Area provided' is large and fairly adequate. The zoo must improve other facilities further and retain these animals,</p>	<p>Presentation was delivered by Mr. Malikarjuna Rao, Director, Zoos, Andhra Pradesh and the zoo is allowed to house the elephant with following improvements:-  (i) The night houses should have kaccha floor. The present hard surface should be removed and fill up with the soil.  (ii) Dead wooden logs should be added as environment enrichment.  (iii) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA.</p>
16	Zoological Gardens, Alipore, West Bengal	00	3 (23 Y) (15 Y) (16 Y)	<p>(i) The decision shall be taken on receipt of undertaking from the state Government of West Bengal.  (ii) The Appraisal Committee desired that the zoo should dismantle concrete flooring.  (iii) An ongoing study of the Wildlife Institute of India has observed that the elephants housed in the zoo comprise a socially coherent group and display extensive affiliative behavior patterns. It is therefore suggested that if the zoo is able to arrange for space</p>	<p>Presentation was delivered by Sh. T. V. N. Rao, Member Secretary, West Bengal Zoo Authority.  The Chief Wildlife Warden, Government of West Bengal has submitted a proposal requesting to allow to retain the elephants at Zoological Garden, Alipore. The members desired that the necessary decision shall be taken once the proposal is scrutinized by members deputed from CZA. CZA to depute members within November, 2013.</p>

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				than it may be allowed to retain the elephants.	
17	Kapilash Mini Zoo, Denkanal, Odisha	2 (2.5) (4.2)	1 (0.8 Y)	<p>(i) The elephants are housed in elephant camp away from zoo, hence, recommended to retain existing 3 (2:1) elephants subject to increase the area for elephants to 10 hac. Where not more than 5 elephants should be housed at any point of time.</p> <p>(ii) The facility should act as an elephant care centre with adequate support staff. It is a good rescue center/camp.</p> <p>(iii) Area appropriate for the existing calf and juvenile elephants. Rescue Center can increase area for elephants</p>	<p>Presentation was delivered by Dr. S. Panda, Director, Nandankanan Zoo and allowed to house the elephant with following improvement:-</p> <p>(i) Provided more improved enrichment, furniture and facilitate more exercise for elephants etc.</p> <p>(ii) The facility to function as a Rescue centre as an off-exhibit facility should continue.</p>
18	Indira Gandhi Zoological Park, Vishakhapatnam Andhra Pradesh	1 (29y)	0	<p>(i) Recommended to retain existing 1 (1:0) elephant subject to increase the area for elephants to 5 hac. Where not more than 4 elephants should be housed at any point of time.</p> <p>(ii) The facility should act as an elephant care centre.</p> <p>(iii) The zoo should construct a new enclosure as per the approved Master (layout) Plan by the CZA.</p> <p>(iv) The zoo should house the 2 females from Aurangabad Municipal Zoo, Aurangabad.</p> <p>(v) In addition to the above suggestions it is also proposed that the enclosure should have a large water body which can have running water flowing through it using a</p>	<p>Presentation was delivered by Mr. Malikarjuna Rao, Director, Zoos, Andhra Pradesh and allowed to house the elephant with following improvements:-</p> <p>(i) The area earmarked for the herbivore safari should be used for housing elephants.</p> <p>(ii) The enclosure should be enriched suitably.</p> <p>(iii) 2 female elephants for Aurangabad Zoo should be received at the earliest.</p>

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				pipeline if a natural waterbody of adequate size is not present in the zoo.	
19	Sri Venkateswara Zoological Park, Tirupati, Andhra Pradesh	02 (35) (36)	02 (60 y) (11 y)	(i) Recommended to retain 4 (2:2) elephants subject to increase the area for elephants to 10 hac. Where not more than 4 elephants should be housed at any point of time. (ii) The facility should act as an elephant care centre. (iii) In addition to the above suggestions it is also proposed that the enclosure should have a large water body which can have running water flowing through it using a pipeline if a natural water body of adequate size is not present in the zoo.	Presentation was delivered by Mr. Malikarjuna Rao, Director, Zoos, Andhra Pradesh and is allowed to house the elephant with following improvements- (i) The animal house to be shifted to the back side of the zoo, away from the public area. (ii) Detailed designs for whole area including animals house with night cells, enclosures and practices of environmental enrichment should be submitted for approval from CZA. (iii) The proposal should contain details of the environment enrichment to be incorporated.
20	Aurangabad Municipal Zoo, Aurangabad, Maharashtra	0	2 (48 Y) (13 Y)	The elephants should be shifted to Indira Gandhi Zoological Park, Visakhapatnam as the zoo does not have adequate area for housing the elephants.	Presentation was delivered by Dr. B. S. Naikwade, Director.  The committee members did not agree to allow the zoo to house the elephants as the zoo has very small area, therefore under the present circumstances, and as recommended in the last Stakeholders Meeting dated 18.03.2013, the zoo should comply with the directives of the Central Zoo Authority and shift the elephants to Indira Gandhi Zoological Park, Visakhapatnam.
21	Kamla Nehru Zoological Gardens, Ahmedabad, Gujarat	0	1 (24 Y)	As the zoo does not have adequate area for housing the lone elephant, she should be shifted to Kamla Nehru Prani Sangrahalaya, Indore.	Presentation was delivered by Dr. R. K. Sahu. The committee members considered the request of Zoo and decided to allow housing of elephants subject to decision of Hon'ble Court relating to Indore Zoo at the zoo with following conditions and approval of Chairperson, CZA:- (i) The zoo should acquire suitable mate for the

					<p>elephant.</p> <p>(ii) The exiting area should not be used for housing of elephants instead the large new area of 7 acres should be developed for housing.</p> <p>(iii) The design along with the all details should be submitted including natural barrier, housing, water body etc. for the approval of the Central Zoo Authority.</p> <p>(iv) Till the new area is developed and available for housing of elephants, the existing enclosures should also be improved upon.</p> <p>(v) The elephant from Kamla Nehru Prani Sangrahalaya, Indore may be considered as per the direction of the Hon'ble Court case.</p>
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#### Other observations:-

1. Allow the elephant with minimal interference of human being including Mahout/ keepers.
2. Elephants with human in print should not be released back to the wild, such animals may be sent to elephant camps at National Parks and Wildlife Sanctuaries.
3. Regular training courses for Zoo Mahout should be taken by Central Zoo Authority every year.
4. Elephant riding by Mahout is not required all the time. Elephant should be allowed to walk on its own.
5. Chain (in case used) of the elephant should be covered by the fire hoses.
6. When the zoo is opened to the visitors, the Mahout should not be moving with the elephant.
7. The cleaning of enclosure should be completed before opening the zoo to the visitors.
8. Cambering of platform should be easy to getting up/ sleeping of elephants.
9. The food should be kept in different area of the enclosure in order to keep the elephants active and maximize the utilization of the animal enclosure.
10. The ground provided for housing elephants should be kuccha made of mud.
11. No chaining at the first instance, if required the elephants should be kept tied only in one leg with chain/ rope covered by leather tubes, the legs for tying may be changed alternately.
12. Only when any elephant excited, irritated or creating any problem or in musth, the elephants (male/ female) should be more securely tied (may be tied on more than one leg) or other restraining measures can be taken.
13. Daily walk/ exercise for atleast two hours in the early morning hours should be given to all the elephants.
14. Tree fodder like peepal (*Ficus religiosa*), jamun (*Schizigium cumini*) and neem (*Azardiractha indica*) should be provided along with the branches.

15. Treatment records should be kept as per the proforma provided by the Central Zoo Authority.
16. Faecal samples of the animals should be examined periodically in the laboratory.
17. Screening against infectious and contagious diseases should be made regularly.
18. Birth, death and acquisition report should be submitted to the Central Zoo Authority at the end of each financial year.
19. The zoo must procure a set of tranquilizing equipment with essential drugs for meeting the emergencies particularly when they have a young bull elephant which is coming to musth:
20. The elephants housed in the Zoos should have a microchip implanted, the details should be submitted to the Central Zoo Authority.
21. Enrichment of Elephant Housing (Habitat-Forested/Vegetation, Social, Dietary, Water pools/lakes, logs, rock, timber, dry tree, sand and basking)

**(B. S. Bonal)**  
**Member Secretary**  
**31.10.2013**

**List of Participants on 25<sup>th</sup> October, 2013**

S. No.	Name
1.	Sh. S. K. Patnaik, Member, CZA
2.	Sh. S. C. Sharma
3.	Sh. Kartick Satyanarayan, Member, CZA
4.	Sh. Range Gowda, Executive Director, Bannerghatta Biological Park, Bangalore, Karnataka
5.	Sh. B. P. Ravi, CCF/Executive Director, Sri Chamarajendra Zoological Gardens, Mysore, Karnataka
6.	Sh. B. Josesph, Director, Museum and Zoo, Trivandrum, Kerala
7.	Dr. Ajay Kumar, Zoo Veterinarian, Bhagwan Birsa Biological Park, Ranchi, Jharkhand
8.	Sh. S. Chandrasekar, Director, Sanjay Gandhi Biological Park, Patna, Bihar
9.	Sh. C. S. Bora, Divisional Forest Officer, Assam State Zoo, Guwahati, Assam.
10.	Sh. G. K. Dev Medhi, Asstt. Engg. Assam State Zoo, Guwahati, Assam
11.	Sh. Suresh M. Jagtap, Rajiv Gandhi Zoological Park, Pune, Maharashtra
12.	Dr. B. C. Archana Kalyani, Deputy Director, Arignar Anna Zoological Park, Vandalur, Chennai, Tamil Nadu
13.	Dr. Kanaital Ghosh, CF & Director, Zoological Garden, Alipore, Kolkata, West Bengal
14.	Dr. Naikwda B. S., Director, Aurangabad Municipal Zoo, Aurangabad, Maharashtra
15.	Dr. Uttam Yadav, Kamla Nehru Prani Sangrahalaya, Indore, Madhya Pradesh
16.	Dr. R. K. Sahu, Zoo Superintendent, Kamla Nehru Zoological Garden, Ahmedabad, Gujarat
17.	Dr. S. Panda, Director, Nandankanan Biological Park, Bangalore, Karnataka
18.	Sh. P. Malikarjuna Rao, Director, Zoological Parks, Andhra Pradesh, Hyderabad
19.	Dr. Kushal Konwar Sarma, Member, Elephant Appraisal Committee
20.	Dr. Manish Kumar, Field Director, M. C. Zoological Park, Chhatbir, Punjab, Chandigarh
21.	Sh. Harpal Singh, M. C. Zoological Park, Chhatbir, Punjab, Chandigarh
22.	Sh. Amitabh Agnihotri, Director, National Zoological Park, Delhi
23.	Dr. Brij Kishor Gupta, Evaluation and Monitoring Office, CZA
24.	Sh. V. P. Mehta, Finance officer, CZA
25.	Sh. Riaz Ahmad Khan, Curator, Nehru Zoological Park, Hyderabad, Andhra Pradesh
26.	Sh. T. V. N. Rao, Member Secretary, West Bengal Zoo Authority, Kolkata, West Bengal
27.	Sh. K. A. Mishrikotkar, Divisional Forest Officer, Maharashtra, Nagpur
28.	Sh. Suresh Chand, PCCF (WL) & CWLW, Assam, Guwahati



29.	Ms. Geeta Seshamani, Wildlife SOS, New Delhi
30.	Sh. M. P. Sharma, CF (WL), Panchkula, Haryana

