

Computer No. 146968
Government of India
Ministry of Environment, Forest and Climate Change
CENTRAL ZOO AUTHORITY

B-1 Wing, 6th Floor,
Pandit Deendayal Antyodaya Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.
Telephone: +911124367846/51/52
cza@nic.in
Date: 26-12-2023

To,

The Chief Wildlife Warden,
Department of Forests,
3rd Floor, Van Bhawan, Ramgiri Road,
Civil Lines, Nagpur - 440 001, Maharashtra.
(E-mail: pccfwlnp@mahaforest.gov.in)

Subject:- Renewal of recognition of the Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra under Section 38-H(1),(3)&(4) of the Wild Life (Protection) Act, 1972 for period beyond August 19th, 2022- regarding.

Reference:

1. This office letter Computer No.: 158516, dated 11.08.2023.
2. E-mail letter No. DirVJBU-Zoo/OD/4364 dated 22.02.2023, received from Dr. S. A. Tripathi, Director (Zoo), Veermata Jijabai Bhosale Botanical Udyan & Zoo, Byculla (East), Mumbai, Maharashtra.
3. This Office letter File No.21-2/2019-CZA(Vol.I)(E)-Part(1), Computer No. 153933, dated 31.03.2021.

Sir/Madam,

With reference to above, it is to inform that the recognition of Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra was accorded up to August 19th, 2022 vide reference no. 3 above. The application for the renewal of recognition of Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra for the period beyond August 19th, 2022 was received by this office vide reference no. 2 above.

Dr. Devender Kumar, EMO, CZA and Dr. Gowri Mallapur, Veterinarian was deputed by this office to carry out the evaluation of the Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra vide CZA letter at reference no. 1 above. The Zoo was accordingly evaluated on August 13th, 2023.

The evaluation report (copy enclosed) as submitted by the evaluation officer was deliberated in the 109th meeting of the Technical Committee of the Central Zoo Authority held on November 10th, 2023. The Technical

Committee after detailed deliberations recommended to the Central Zoo Authority for the renewal of recognition of Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra for a period of two years and to regularize the period after August 19th, 2022, subject to compliance with observation/recommendation in the table below and mid-term evaluation. Further, the Committee recommended that the Zoo Operator may be directed to submit compliance report within three months of renewal followed by half-yearly report.

Subsequently, the recommendation of 109th Technical Committee Meeting was placed in the 40th meeting of the Central Zoo Authority held on November 28th, 2023 wherein in exercise of powers conferred under sub-section (1), (3) and (4) of Section 38-H under the Wild Life (Protection) Act, 1972, approved recommendation of the Technical Committee.

Accordingly, the Central Zoo Authority has regularised the period after August 19th, 2022 and renewed the recognition of Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra for a period up to December 25th, 2025 under Section 38-H(1), (3) & (4) of the Wild Life (Protection) Act, 1972.

Sl.	Norm No.	Particulars of suggestions / recommendation	Time Period to Comply
1. General Requirement			
1	10.1.1	Several species are still housed as single animals or in groups where a large proportion of animals are unsexed. The following animals must be paired and/or housed in compatible groups based on their natural behaviour and ecology: Golden Jackal (2.0.0), Malabar Pied Hornbill (0.2.0), Peafowl (0.1.0), Rat snake (0.0.1), Gharial (0.2.0), Mugger (2.0.0), Sarus Crane (0.1.0), Wild Boar (0.1.0). Based on the decision of the committee constituted by CZA the zoo must contact the CWLW of Maharashtra State to find appropriate housing for the lone female elephant. Until then the display of the female elephant must be regulated and she must be allowed free movement in the enclosure.	3 months
2	10.1.3	More directional signages to be added in the zoo. Security at enclosures where there are bottlenecks like the Tiger Habitat needs to be enhanced for improved visitor circulation.	Immediately
3	10.1.4 and 10.1.5	Considering the heritage status of the zoo, construction of the wall has been a challenge in the North and East sections of the zoo (the entry gate, the gate near the	6 months

		elephant off-display area etc.) An appropriate barrier is not present in all locations. Entry of miscreants and stray animals has to be prevented. A mutual agreement for an applicable barrier must be sought with the MHCC and appropriate security fencing must be considered where concrete walls are not permitted.	
4	10.1.9	Feral dogs and cats must be prevented from free range access within the zoo premises. Appropriate action with local ABC (Animal Birth Control) and Rehoming programs must be taken. Feeding stay animals, especially cats, within the zoo premises must be stopped.	3 months
2. Administrative and Staffing Pattern			
5	10.2.2	A medium zoo must have a full-time biologist and a full-time education officer to assist the zoo director in discharging activities of the zoo efficiently. Thus, the zoo must have a full-time biologist with no additional charges and hire a full-time education officer. Assistance may be provided to them as needed.	3 months
6	10.2.2	Recruitment of Veterinary support staff should be completed.	3 months
3. Development and Planning			
7	10.3.1	The zoo has not yet submitted compliance to the conditions listed in the master plan and this should be done with immediate effect. The amended master (layout) plan was authenticated in 2019, However this layout plan has several enclosures that are not indicated with regards to area eg: Amphibians, lizards, fish, invertebrates etc. Further 1) the enclosure for elephant is replaced by Gaur. However, the collection plan indicates one elephant. 2) The walk-through aviary is less than the mandated 2 ha area 3) The zoo has 3 species of chelonians but the layout plan indicates one enclosure (Madras Pond Turtle). The inconsistencies must be reconciled in the master plan and a comprehensive plan with research plan, education plan, disaster management plan resubmitted for scrutiny.	3 months
8	10.3.6	The zoo must reconsider its collection plan with regards to finding mates and compatible conspecifics (for gregarious species) for the species currently housed singly and for species that are of	3 months

		conservation priority in general eg: Golden Jackal (2.0.0), Malabar Pied Hornbill (0.2.0), Peafowl (0.1.0), Rat snake (0.0.1), Gharial (0.2.0), Mugger (3.1.0), Sarus Crane (1.0.0), Wild Boar (0.1.0).	
9	10.3.6 (ii)	The zoo is currently displaying species which are not part of the collection plan. 1. Asian Elephant 2. Red Eared Slider The Red Eared Slider are a species that is not reflected in the inventory of the zoo. The zoo must rectify this in the master plan and in the inventory.	Immediately.
10	10.3.7	The zoo must designate specific areas for quarantine and isolation of sick/infirm and recovering animals. The zoo must remove the barking deer and wild boar currently housed in the quarantine area and move them into isolation for appropriate care and management.	1 month
4. Animal housing, display of animals and animal enclosures			
11	1. 4.1	Enclosures for primates, snakes and Hippopotamus need to be upgraded as per extant CZA guidelines. The walk-in aviary needs to be upgraded as per extant CZA guidelines. The night cells in the deer and Antelope enclosures are visible from the viewing area for visitors and may be covered with natural and fast-growing vegetation Retreat areas (other than night cells) for Deer and Antelope species need to be developed in the enclosures.	6 months
12	10.4.4	The pheasants currently housed with other species of birds must be provided species specific enclosures.	3 months
13	10.4.6	The enclosures in the zoo are designed with permanent enrichment fixtures like ramps, machans, water bodies etc. But in the interest of continued cognitive stimulation more dynamic enrichment features must be included and enrichment carried out on a regular basis. Similarly, off display areas must be made more comfortable with raised platforms, bedding material (where appropriate), some enrichment material.	3 months
14	10.4.9	The bottleneck areas especially at the Tiger Habitat need to be addressed to prevent overcrowding	2 months
15	10.4.10	Increased number of directional signages and zoo maps with "you are here" indicators	3 months

to be included.			
5.Upkeep and healthcare of animals			
16	10.5.1	The zoo must make all efforts to finding mates and compatible conspecifics (for gregarious species) for the species currently housed singly and for species that are of conservation priority in general e.g.: Golden Jackal (2.0.0), Malabar Pied Hornbill (0.2.0), Peafowl (0.1.0)Rat snake (0.0.1), Gharial (0.2.0), Mugger (3.1.0), Sarus Crane (1.0.0), Wild Boar (0.1.0). If not, the animals must be shifted to other zoos for housing and care.	6 months
17	10.5.1	The single female elephant housed in the zoo must be housed singly and allowed to roam freely in the enclosure. The enclosure must be maintained off- display. If the CWLW Maharashtra finds an appropriate camp/location to shift the female the same must be done after testing for TB, EEHV and other communicable diseases.	Immediately
18	10.5.8	The zoo must augment the animal care support staff like lab technician, compounder etc to be able to conduct basic testing (haematology, blood biochemistry, faecal samples) onsite.	2 months
19	10.5.9	All staff involved with upkeep and healthcare of zoo animals shall be screened against zoonotic diseases once every year and those found positive to any communicable disease shall be provided appropriate treatment till, they get cured and freed of the infection and during the period of such treatment, the infected employees shall be kept away from the responsibility of upkeep and healthcare of the animals.	Immediately
20	10.5.10	The zoo must maintain detailed records of observations of social behavior of the animals so as to be able to assess the enrichment and modify it as per need.	Immediately
6.Veterinary and Infrastructure facilities			
21	10.6.1	The zoo must augment its in-house diagnostic facilities to be able to conduct haematology, blood biochemistry, faecal analysis and haemoprotozoal testing on site	Immediately
22	10.6.5	Trained lab technicians must be hired immediately so that basic diagnosis can be done on site.	Immediately
7. Post-mortem and disposal of carcasses of animals.			

23	10.7.1	Every animal that dies in the zoo shall be subjected to a detailed necropsy examination to determine conclusively the cause of death. The necropsy reports of Sch I and Sch II animals must be submitted to the CWLW of the state with a copy to CZA within 24 hours of mortality.	Immediately
24	10.7.3	In the event that the gross necropsy is inconclusive and no specific reason for death is identified, the zoo authorities must send the samples of the tissues and organs, blood, viscera etc. for further examination to a qualified diagnostic laboratory for further investigation and identifying the cause of death.	Immediately
9. Acquisition and breeding of animals			
25	10.9.4	The zoo shall endeavour to acquire mates for single and unpaired animals on priority basis. As below Golden Jackal (2.0.0) Malabar Pied Hornbill (0.2.0) Peafowl (0.1.0) Rat snake (0.0.1) Gharial (0.2.0) Mugger (3.1.0) Sarus Crane (1.0.0) Wild Boar (0.1.0) If the zoo is unable find a mate for single and unpaired animal, the unpaired or single animal shall be transferred or exchanged or given on breeding loan to any other zoo in accordance with the norms specified by the Central Zoo Authority in this regard.	6 months
26	10.9.9	The current zoo stock of deer species is as under Sambar deer: 1:2:0 Spotted deer: 2:6:9 Barking Deer: 6:2:6 As a medium zoo, the zoo may house 12 individuals of any species of ungulates. Thus, the zoo must employ measures to control populations of Spotted Deer and Barking Deer. Further the zoo must follow details listed out in the collection plan with regards to number of individuals housed per species.	Immediately
10. Research activities			
27	10.10.1	The zoo shall endeavor to carry out collaborative research for evolving innovative strategies for providing the animals housed in the zoo a better health	Immediately

		care, quality of life, higher genetic and behavioural viability and improved reproduction potential with identified institutions and in accordance with norms specified by the Central Zoo Authority in this regard.	
12. Visitors facilities			
28	10.12.1	The zoo shall have first aid facilities including snake anti-venom and lifesaving drugs, readily available in the zoo premises.	Immediately

A compliance report to the Central Zoo Authority on implementation of the aforesaid observation/ recommendation shall be submitted by the zoo within three months of issue of this letter. Further, half yearly report regarding progress made in the implementation of the aforesaid conditions should also be submitted to the Central Zoo Authority.

The recognition of Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra for the period beyond December 25th, 2025 would be considered on the basis of compliance of the conditions stated above, mid-term evaluation and general performance of the zoo.

The recognition of Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra 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.

This is for information and necessary action please.

Yours sincerely,

Encl: As above.

**(SANJAY KUMAR SHUKLA)
MEMBER SECRETARY**

Copy for information and necessary action to:

1. The Principal Secretary to the Government of Maharashtra, Department of City Development, 4th Floor, Secretariat, Madam Cama Road, Hutatma Rajguru Chowk, Nariman Point, Churchgate, Mumbai, Maharashtra 400 032 (E-mail: psec.ud1@maharashtra.gov.in) [Zoo Operator of the Veermata Jijabai Bhosale Udyan & Zoo, Mumbai, Maharashtra under Rule 2(m)(III) of the Recognition of Zoo Rules, 2009].
2. The Member Secretary, Maharashtra State Zoo Authority, Third floor, B Wing, Administrative Building No.2, Nagpur - 440 001, Maharashtra (E-mail: mszooauthority@gmail.com).
3. The Municipal Commissioner, Municipal Corporation of Greater Mumbai, 2nd Floor, Municipal Head Office, Mumbai - 400 001, Maharashtra (E-mail: mc@mcmgm.gov.in).
4. The Director (Zoo), Veermata Jijabai Bhosale Udyan & Zoo, Dr.

I/60957/2023

Babasaheb Ambedkar Road, Byculla (East), Mumbai - 400 027,
Maharashtra (E-mail: vjbudyanzoo@yahoo.co.in,
dirzoo01@mcgm.gov.in).

5. The DPA, O/o CZA, (E-mail: dpa-cza@nic.in) - to update database and to upload on official website of the CZA.

Computer No. 153933
Government of India
Ministry of Environment, Forest and Climate Change
CENTRAL ZOO AUTHORITY

B-1 Wing, 6th Floor,
Pandit Deendayal Antyodaya Bhawan,
CGO Complex, Lodhi Road, New Delhi – 110 003,
Telephone: +91-11-24367846/51/52, E-mail: cza@nic.in
Dated **31/03/2021**

To
The Chief Wildlife Warden,
Department of Forests,
3rd Floor, Van Bhawan, Ramgiri Road,
Civil Lines, Nagpur – 440 001. (Maharashtra),
E-mail: pccfwlngp@mahaforest.gov.in

Subject: Renewal of recognition of the Veermata Udyan Zoo, Byculla, Mumbai, under Section 38-H of the Wild Life (Protection) Act, 1972 – regarding

Reference:

1. This Office Memorandum F.No.7-10/2020-CZA(PART-I) dated August 25, 2020
2. This Office letter F.No.21-2/2019-CZA(AK)/2058/2020 dated January 8, 2020
3. This Office letter F.No.19-70/93-CZA(161)(Vol-XVII)(PKR)/2930/2018 dated April 12, 2018
4. Letter No.Nil dated March 6, 2020 from the Veterinary Officer, Veermata Udyan Zoo, Byculla

Sir,

With reference to above, the undersigned is directed to inform that recognition of the Veermata Udyan Zoo, Byculla, Mumbai under Section 38-H of the Wild Life (Protection) Act, 1972, was valid till March 22, 2020. Shri D.N.S. Suman, IFS (Retired), evaluating officer deputed by this office has evaluated the zoo on January 24, 2020. Copy of the Evaluation Report is enclosed herewith for your perusal and needful action.

2. Evaluation Report of the Veermata Udyan Zoo, Byculla, Mumbai was placed before the Technical Committee in its 96th Meeting held on July 30, 2020. The Technical Committee, after detailed deliberation, made its recommendation to the Central Zoo Authority.

3. This office issued Office Memorandum F.No.7-10/2020-CZA(PART-I) dated August 25, 2020 regarding renewal of recognition of the zoo. Subsequently, the Central Zoo Authority, in its 37th Meeting held on December 7, 2020, in exercise of powers conferred under sub-section (1), (3) and (4) of Section 38-H under the Wild Life (Protection) Act, 1972, approved recommendation of the Technical Committee.

4. The Central Zoo Authority has regularised the period after March 22, 2020 and renewed recognition of the Veermata Udyan Zoo, Byculla, Mumbai as a Medium Zoo for a period up to **August 19, 2022** subject to compliance with following conditions as per the Recognition of Zoo Rules, 2009 (RZR) and mid-term evaluation of the zoo.

Sl.	Norm No. under RZR	Condition	Time period to comply
2. Administrative and staffing pattern:			
1	10.2(1)	The financial powers of the Director for purchasing items for daily use is not sufficient for such a large Zoo. It should be increased substantially.	Six months
2	10.2(2)	Recruitment of Veterinary support staff should be completed early	Six months
3. Development and Planning:			
3	10.3(6)	The implementation of collection plan as approved by the CZA should start early.	Six months
4	10.3(7)	Proposal should be forwarded for consideration of the CZA for transfer of rescued wild animals for which the zoo does not have off-display housing facility of prescribed design and dimension.	Six months
4. Animal housing, display of animals and animal enclosures:			
5	10.4(10)	The interpretation centre should be made functional.	Three months
5. Upkeep and healthcare of animals:			
6	10.5(3)	Sufficient size freezer for storage of meat products should be purchased immediately.	Immediately
9. Acquisition and breeding of animals:			
7	10.9(4)	The lone Malabar Pied Hornbill should be transferred to some other Zoo or paired here only	Six months
8	10.9(4)	Single female sloth bear should be paired or transferred to some other Zoo.	Six months
11. Education and outreach activities:			
9	10.11(1)	Various visitors' facilities should be created along with dedicated website for the Zoo and conducted tours should be started	Three months
12. Visitors' facilities:			
10	10.12(1)	Since the Zoo is situated in the densely populated south Mumbai, battery operated vehicles will be of great help to the visitors	Six months

5. A compliance report to the Central Zoo Authority on implementation of the aforesaid conditions shall be submitted by the zoo within three months of issue of this letter followed by half-yearly report.

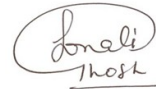
6. The renewal of recognition of the Veermata Udyan Zoo, Byculla, Mumbai for period beyond August 19, 2022 as a Medium Zoo would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

7. The recognition of the Veermata Udyan Zoo, Byculla, Mumbai 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.

This issues with approval of the competent authority.

Encls. As above

Yours sincerely



(Sonali Ghosh)
Dy Inspector General Of Forest

Copy for information / necessary action to:

1. The Principal Secretary to the Government of Maharashtra, Department of City Development, 4th Floor, Secretariat, Madam Cama Road, Hutatma Rajguru Chowk, Nariman Point, Churchgate, Mumbai, Maharashtra 400 032, E-mail: psec.ud1@maharashtra.gov.in [Zoo Operator of the Veermata Udyan Zoo, Byculla, Mumbai under Rule 2(m)(III) of the Recognition of Zoo Rules, 2009]
2. The Member Secretary, Maharashtra State Zoo Authority, Third floor, B Wing, Administrative Building No.2, Nagpur – 440 001. (Maharashtra), E-mail: mszooauthority@gmail.com
3. The Municipal Commissioner, Municipal Corporation of Greater Mumbai, 2nd Floor, Municipal Head Office, Mumbai – 400 001, E-mail: mc@mcgm.gov.in
4. The Director (Zoo), Veermata Udyan Zoo, Dr. Babasaheb Ambedkar Road, Byculla (East), Mumbai – 400 027, Maharashtra, E-mail: vjbudyanzoo@yahoo.co.in , dirzoo01@mcgm.gov.in
5. The DPA, O/o CZA – to update database and to upload on official website of the CZA.
6. File No.19-70/93-CZA (161) – for record

sd/-

(Sonali Ghosh)
Dy Inspector General Of Forest



GOVERNMENT OF INDIA

भारत सरकार

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Central Zoo Authority

केंद्रीय चिड़ियाघर प्राधिकरण



By Post / E-mail

F. No. 19-70/93-CZA(161)(Vol. XVII)(PKR)

2930/2018

Date: 12.04.2018

To,

The Municipal Commissioner,
Municipal Corporation of Greater Mumbai,
Municipal Head Office, Mahapalika Marg,
Mumbai – 400 001 (Maharashtra)

Sub:- Renewal of recognition to the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra for period beyond 23.08.2017 under Section 38H(1) of the Wildlife (Protection) Act, 1972 – reg.

Ref:-

1. This office letter F. No. 19-70/93-CZA(161)(Vol. XVI)(BKG)/2671/2016 dated 22.09.2016.
2. This office letter F. No. 19-70/93-CZA(161)(Vol. XVII)(AK)/1180/2017 dated 28.06.2017.

Sir,

Reference is invited to above cited correspondence. It is to inform that the evaluation of the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra was carried out by Dr. Brij Kishor Gupta, Evaluation and Monitoring Officer, Central Zoo Authority on 14.10.2017. The evaluation report of the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra as submitted by the evaluating officer was considered by the Technical Committee in its 85th Meeting held on 23.03.2018. After detailed deliberations, the Technical Committee decided for renewal of recognition of the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra for a period of two years. A copy of the evaluation report as submitted by the evaluating officer is enclosed with this letter for your kind perusal and needful action.

The renewal of recognition to the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra as a "Medium Category Zoo" as per the provisions of Section 38H(1) of the Wild Life (Protection) Act, 1972 is for a period up to 22.03.2020 subject to the compliance of the following directives under the **Recognition of Zoo Rules (RZR), 2009** and mid-term evaluation of the zoo and to regularise the period after 23.08.2017:-

Sr. No	Norm under RZR, 2009	Particulars of suggestions/recommendation	Time Period to Comply
Administrative and Staffing Pattern			
1.	10(2.2)	The VJB Udyan Zoo, being medium category zoo, it should have full time one Biologist as well as one Education Officer.	Six months
2.	10(2.3)	The In-patient ward at the Zoo lying unused should be made functional.	With immediate effect
3.	10(3.7 & 3.8)	The zoo should not accept any rescued animals unless prior approval are obtained from the Chief Wildlife Warden of the State and the Central Zoo Authority.	With immediate effect

Continued...

B-1 Wing, 6th Floor, Pt. Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi-110003

बी-1 विंग, छठा तल, पंडित दीनदयाल अन्तोदय भवन, सीजीओ परिसर, लोधी रोड, नई दिल्ली-110003

Tel.: 011-24367846, 24367851, 24367852, Fax: 011-24367849

E-mail: cza@nic.in, Website: http://www.cza.nic.in

Animal housing, display of animals and animal enclosures			
4.	10(4.2)	The Zoo Operator should ensure that all the animal exhibits at the zoo should strictly meet the standards and norms as prescribed by the CZA.	With immediate effect
5.	10(4.2)	The Zoo Operator while taking up various development works at the premises of the Zoo should give priority to the animals which are housed in substandard housing, rather giving focus on other allied activities.	With immediate effect
6.	10(4.6)	The enrichment provided at Penguin exhibit should have first got tested in the off exhibit area and artifacts used for enrichment should be natural. The plastic ropes provided as enrichment to macaques and other animals should be avoided, rather rope made of natural material should only be utilized.	With immediate effect
7.	10(4.7)	The proposed Blackbuck enclosure next to service road to kitchen and quarantine area should be provided with adequate screening.	With immediate effect
8.	10(4.10)	The zoo has proposed interpretation and auditorium facility, for conducting various education and awareness programmes at the zoo. However, it has not been made functional. The zoo is advised to make it functional at an early date.	Three months
Upkeep and healthcare of animals			
9.	10(5.2)	Dry ration stored for feeding various animals should be checked for its quality. The Zoo Operator should ensure that no animal at the Zoo should be undernourished.	With immediate effect
10.	10(5.5)	Plastic waste lying in the zoo at various places should be disposed in hygienic manner.	With immediate effect
11.	10(5.10)	The zoo should maintain the individual Animal History Cards, Treatment Cards for all Schedule I & II animals housed at the zoo, in the format as of prescribed by the CZA.	With immediate effect
Veterinary and infrastructure facilities			
12.	10(6.1)	The Veterinary Unit at the Zoo should be made functional with all basic diagnostic facilities, comprehensive range of drugs, operation theatre and In-patient wards.	With immediate effect

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Post-mortem and disposal of carcasses of animals			
13.	10(7.1,2&3)	Every Post Mortem report at the zoo should contain the signature of the Veterinary Officer.	With immediate effect
14.	10 (7.5)	The Zoo should have a full time Lab Assistant or Compounder to assist the Veterinary Officer.	Six months
Visitors facilities			
15.	10(12.1)	The Zoo should provide Wheel Chair placed at appropriate place for physically challenged personnel's visiting the zoo.	Three months
16.	10(12.3)	The zoo should have first aid kit for the use of visitors.	With immediate effect
Maintenance of Records and submission of Inventory			
17.	11(1)	The Zoo should maintain the record of the Births, Acquisitions, Deaths and Disposals of animals of each species in its collection in the manner and in the format as prescribed by the Central Zoo Authority.	With immediate effect
Non Statutory			
1.		The zoo should have independent website of the Zoo for the use of its visitors. May also have online booking system for zoo entrance tickets.	
2.		There are vacant space lying outside the Penguin exhibit. It may be utilized for interpretation and display of graphics on animals.	
3.		The keeper should be provided with uniform, so they can be identified by the visitors in case of any help they may need or during any emergency situation.	

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

The renewal of recognition to the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra for period beyond 22.03.2020 as a "Medium 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 VJB Udyan Zoo, Byculla, Mumbai, Maharashtra 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.

Encl. As above

Yours sincerely



(Dr. D.N. Singh)
Member Secretary

Continued....

-4-

Copy to:-

1. The Chief Wildlife Warden, Government of Maharashtra, Van Bhawan, Ramgir Road, Civil Lines, Nagpur-440 001 (Maharashtra) – for information.
2. The Member Secretary, Maharashtra State Zoo Authority, B-Wing, 3rd Floor, New Administrative Building No. 2, Civil Lines, Nagpur – 440 001 (Maharashtra), E-mail: mszooauthority@gmail.com – for information.
3. The Director, VJB Udyan, Dr. B. Ambedkar Marg, Byculla (East), Mumbai – 400 027 (Maharashtra) - for information and with a request that the conditions stipulated may be got implemented.
4. The DPA, CZA – to update database.



(Dr. D.N. Singh)
Member Secretary

Urgent pf.

21/10/18
EMO
21/10/18

Questionnaire for Evaluation of large, medium, small and mini zoos
Central Zoo Authority - (RECOGNITION OF ZOO RULES, 2009)

PART-I

(to be filled by the officer-in-charge of the zoo)

Date of Evaluation: 15th October, 2017

Name of the Evaluator: Dr. Brij Kishor Gupta

1	Name of the Zoo	Veer mata Jijabai Bhosale Udyan - Zoo
2	Name/designation of the officer in-charge of the zoo	Dr Sanjay Kumar A Tripathi Director (Zoo) i/c
	Address:	Dr. Babasaheb Ambedkar Road, Byculla (East), Mumbai – 400 027.
	Mobile Phone:	8879740019 / 9869270242
	Email:	dirzoo01@mcgm.gov.in vijbudyanzoo@yahoo.co.in
	Website:	-
3	Location and Area of the Zoo (also indicate the distance from the city/town):	Byculla, Mumbai City, Maharashtra, Area - ~ 53 Acres Distance from City / town = 4 km. (C.S.M. T. Railway Station) Distance from airport = 20 km
	Whether the office of Zoo Director is within campus, if outside, how far?	Inside the zoo premises
4	If the Zoo Director is in-charge of any activity other than the zoo, if YES, please specify.	No
5	Operator/Agency under whose control the Zoo, and	Municipal Corporation of Greater Mumbai,
	Contact person	Municipal Commissioner
	Address	Municipal Corporation of Greater Mumbai, Municipal Head Office, Mumbai - 400001
6	If the Zoo having a society/foundation/trust for financing and development of the zoo, if so, the details, thereof, attach a separate sheet	No
7	Approximate population of the city where the zoo is located	15 million
8	Year of the Zoo founded	In 1890, an additional area of 15 acres was included and the garden was extended especially for the zoo.
9	Year first opened to public	In 1862, the garden was formally opened to the public by Lady Frere.
10	Mission Statement of the Zoo	-
11	Vision Statement of the Zoo	-
12	The day on which the zoo closed to public	Wednesday
13	Last Recognition valid up to and evaluated by (mention name of the team members)	23-08-2017 Dr. S. Panda -- Director, Nandankanan Zoological Park, Bhubaneswar, Dr. A. B. Shrivastava - Prof. & Wildlife Health Coordinator, Dept. of Wildlife Health & Management, College of Vet. Science & Animal Husbandry, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur – 482001 (M.P.)
14	Whether your zoo is member of WAZA or any other such organizations, if so, provide details	No
15	Officers present during the evaluation	Dr Sanjay A Tripathi – Director (Zoo)i/c Dr Komal V Raul – Veterinary Officer Mr Anil Paranjape, EPRO
16	• Total no. of animals exhibited by the zoo (during the last evaluation & as on the date of evaluation) • Species exhibited & numbers	Details given below in Table no. 1
17	List of Surplus Animals (attach a list)	Attached
18	List of additional facilities available at the zoo like and their entrance fees, if any;	
	1. Nocturnal House	No
	2. Reptile House	No
	3. Aquarium	No
	4. Safari	No

	5. Boating	No										
	6. Morning Walks	YES										
	7. Train Ride	No										
	9. Elephant Ride etc	No										
	10. Others, specify	Humboldt Penguin Facility										
19	No. of visitors (during the current and last three financial year)	<table border="1"> <thead> <tr> <th>Year</th> <th>No. of Visitors</th> </tr> </thead> <tbody> <tr> <td>April 2014 to March 2015</td> <td>12,40,782 nos.</td> </tr> <tr> <td>April 2015 to March 2016</td> <td>12,51,149 nos.</td> </tr> <tr> <td>April 2016 to March 2017</td> <td>13,69,818 nos.</td> </tr> </tbody> </table>	Year	No. of Visitors	April 2014 to March 2015	12,40,782 nos.	April 2015 to March 2016	12,51,149 nos.	April 2016 to March 2017	13,69,818 nos.		
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20	Budget of the zoo (last three years) (attach separate sheet if required)											
21	Revenue earned (last three years)											
22	Utilization of financial Assistance received from the CZA during last three years and its utilization	<p>Attach a Separate Sheet as Annexure:- NA</p> <table border="1"> <thead> <tr> <th>Year</th> <th>Funds Received From CZA</th> <th>Amount Spent With Details</th> <th>Savings, if any</th> <th>Remarks Utilization Pending, if any, Provide Details</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Year	Funds Received From CZA	Amount Spent With Details	Savings, if any	Remarks Utilization Pending, if any, Provide Details					
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YEAR	INCOME (Rs. In thousands)	ALLOTMENT GRANT (Rs.)		EXPENDITURE INCURRED (Rs.)	
		Revenue	Project	Revenue	Project
2014-15	11247	40450.00	185000.00	129237.00	61143.00
2015-16	7268	61230.00	350000.00	11595.04	52763.00
2016-17	11222	83355.00	41500.00	46798.28	41436.00

Table No. 1 -Total number of animals exhibited in the Zoo
(during the last evaluation & as on the date of evaluation 30-09-2017)

Stock position on the date of last evaluation of zoo 30-11-2011			Stock position on the date of evaluation of zoo 30-09-2017		
Species	Number of species exhibited	Number of animals	Species	Number of species exhibited	Number of animals
Mammals	18	145	Mammals	11	107
Birds	33	396	Birds	26	238
Reptiles	06	32	Reptiles	06	31

PART-II

**Details on compliance of the conditions stipulated by the Central Zoo Authority
(as per the earlier letter of grant of recognition issued to the zoo)**

(To be filled up by the Officer-in-Charge of the Zoo)		(To be filled up by the evaluating officers)	
S. No	Details on the conditions stipulated by the CZA (F. No.19-70/93-CZA(161) (Vol. XVI)(BKG) /2671/ 2016 dated 22.09.2016)	Status with regard Compliance of the conditions as submitted by the Officer-in-charge of the Zoo	
		Status with regard to compliance as noted physically by the evaluator during the visit	
1.	The remaining portions of the boundary wall needs to be completed with consensus from all stake holders. The miscreants are taking advantage of the situation.	The South and West bound area of the zoo is surrounded by 2.5 Mtr wall as mandated by CZA. East & North bound area of the zoo is surrounded by heritage fence. The Mumbai Heritage Conservation Committee (MHCC) while issuing their NOC has ascertained to retain the heritage fence being a Heritage Grade II-B premise and permitted to carry out the restoration work of the said heritage fence. The repairs to the main Heritage fence wall around the zoo is completed in the month of May 2017. However, to prevent entry of any miscreant through the fenced wall, the administration has decided to put up barbed wire fence and the proposal for the same is being finalized. The same will be complied within six months following due procedures.	The compliance is underway.
2.	The office of the Superintendent of Garden should be shifted from the Zoo premises immediately.	The offices of Director (Zoo) and Supdt. of Garden will be shifted on the second floor in the new Interpretation Centre building. The same will be complied within three months.	The office of the Suptd. of Garden was not shifted at the time of evaluation, however, the same has been shifted in January, 2018.
3.	Stray dogs captured by Municipal Corporation in Byculla area should not be released in close proximity of the Zoo and it should be stopped.	The instructions are conveyed to the dog squad of the municipal corporation and accordingly required action is being taken by the Dog squad of MCGM time to time.	Not complied.
4.	The "Whole Time In-charge" of the Zoo should be vested with adequate administrative and financial powers to take decision and he should be provided financial resources and infrastructural support for proper housing, upkeep and healthcare of the Zoo animals and managing the Zoo in a planned manner.	The Director (Zoo) has requested to enhance administrative and financial powers in the interest of zoo management. The said request is under consideration.	Yet to be complied.
5.	The control of security personnel of the Zoo should be under the control of Zoo Director.	At present, Chief Security Officer, MCGM manages the overall security arrangements inside VJB Udyan & Zoo. However, this dept has requested the MCGM administration to handover the control of security arrangement under the control of Director (Zoo) which is under consideration.	Yet to be complied.
6.	The vacant posts especially animal keepers and other supporting staff should be filled up.	Complied.	Complied.
7.	The posts of Curator and Biologist should be filled up.	The posts of Curator (Zoo) and Biologist are already approved by Post Creation Committee. The qualifications are being finalized and soon the posts will be advertised. The same will be complied within three months.	The posts of Curator and Biologist are yet to be filled.
8.	The Master Plan should be submitted for approval of the Central Zoo Authority.	The Master (Layout) Plan has been approved by the Technical Committee of the CZA on 05.12.2012. The advance copy of Master Plan document (20 years) along with the Management Plan (5 years) has been already submitted by Director (Zoo) to CZA on 13th April 2017.	The master plan as of received in the office of CZA was circulated to the members of the EGZD of CZA. The comments from the members are awaited.
9.	The 'pucca' buildings including the visitor facilities should be masked by planting trees and bushes to give more naturalistic look in the existing green environment of the Zoo. The colours of the buildings and structures also should be chosen in	As per the approved Master (Layout) Plan under phase I, Entry Plaza, Internal pocket gardens, Humboldt penguin exhibit and public amenities have been developed. At the Entry plaza the new ticketing complex has been built submerging with the heritage precinct and various heritage structures like	Yet to be complied.

	such a manner that they are not very much conspicuous.	Triple Arch and Clock Tower. The various structures like Drinking water fountains, toilets along with internal pocket gardens are giving naturalistic look in the existing green environment of the Zoo.	
10.	The construction of the animal enclosures as per approved Master Plan should be expedited.	The Tender for the construction of various animal enclosures has been finalized. The work will start in the month of November 2017.	In the process of compliance.
11.	The enrichment of the animal enclosures should be carried out continuously and on priority.	Various Bird enclosures are provided with sufficient required environmental enrichment like food enrichment, nesting material, furniture for roosting & perching etc. The results are found encouraging on overall health condition of the birds. Further the various environmental enrichment activities have been carried out inside the enclosures for Aquatic Bird enclosure, Sambar deer, Spotted deer, Black buck, Four-horned Antelope, Rhesus macaque etc. Recently, during the Wildlife week celebration, various enrichment activities performed inside most of the animal enclosures. The implementation of environmental enrichment activities is continuously monitored and are being carried out regularly.	The zoo has to be prepare species specific enrichment for all the species housed at the Zoo and got the same implemented.
12.	The signage of animal enclosures should be made uniform and should be provided in all enclosures. More directional signage should be provided for benefit of the visitors. The existing signage should be displayed properly.	As directed by CZA, this zoo has already implemented the Visitor Circular Plan by providing enough direction signages / boards along the pathways facilitating the visitors movement in appropriate directions. An uniform signage system on various animal enclosures will be redone within 3 months.	Not complied.
13.	The food containers and water bowls should be cleaned and disinfected on daily basis.	Complied	Not complied
14.	The grills and floor of feeding cells, night shelters and chain-link fence of outdoor enclosures should be disinfected on routine basis.	Complied	Complied.
15.	The perches and shelves should be cleaned regularly and kept free of faeces and urine.	Complied	Not complied. The perches provided inside the aviaries are yet to be cleaned.
16.	The provision of footbath of adequate size with proper disinfectant at entry and exit points of animal house should be provided in all enclosures.	Complied	Complied.
17.	The storage conditions of the food items should be made properly free from moisture, moulds and pests. The dry ration storage facility is proper but green vegetables and fruits should be stored properly.	Complied	The storage facilities at the Zoo to be improved. The dry ration should also be checked/tested for any adulteration.
18.	The food storage facilities and working platforms for vegetables and fruits should be cleaned and disinfected on regular basis.	Complied	Not complied.
19.	The regular inspection of food items should be done for its quality and freshness and transported hygienically in clean and disinfected containers with proper cover to the respective enclosures.	Regular inspection of food items is being done for quality and freshness. The zoo has already procured new stainless-steel containers for food distribution. Such utensils are daily cleaned and disinfected to maintain the hygienic food supply.	There was no record found during the evaluation that inspection of food has been done for its quality and freshness.
20.	The food and water samples should be randomly tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory.	All the zoo animals are provided potable water supply from MCGM; the food materials are being randomly tested by sending the samples to Public Health and Microbiology Dept of Mumbai Veterinary College, Parel as	The water provided to the animals is also not checked by the zoo authorities.

		well as Municipal Laboratory, MCGM. The record is available with this office.	
21.	The Zoo should have a full-fledged veterinary unit with all basic diagnostic facilities, pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and in-patient wards by using newly constructed facilities.	The newly constructed veterinary unit is now functional having pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and in-patient wards.	Complied.
22.	The newly constructed holding facilities for animals requiring extensive medical care should be brought in use.	The newly constructed holding facilities for medical care is now functional.	Complied.
23.	The Zoo should acquire basic hospital and monitoring equipment which it does not have at present.	Complied.	Complied.
24.	The Zoo should have basic diagnostic support to enable and make rapid assessments of physiologic status of sick and injured animals.	Complied.	
25.	The Zoo should fill up the posts of Veterinary Support staff as per the Recognition of Zoo Rules, 2009.	The posts of veterinary support staff such as Lab Assistant and stock keeper has been approved by MCGM administration. The same will be filled up within six months.	Yet to be complied.
26.	The Zoo should arrange to pair its large number of species having single animals.	Bonnet macaque male and Blossom headed Parakeet are old in age and are unfit for exchange with other Zoos. Goose grey lag died on 07-07-2017 due to old age. An exchange proposal is in process for Crowned crane with Ahemdabad Zoo, however the crowned crane died on 12-10-2017	--
27.	The Zoo should maintain the animal stud and herd book for the animals of endangered species housed in the Zoo and putting appropriate identification marks for each animals within the Zoo.	The same is under progress. The stud book information for all the endangered species housed in zoo has been updated in the format prescribed.	Not complied.
28.	The population of deer and antelope species in the Zoo is more than its carrying capacity of the Zoo. The Zoo should limit the number of animals of each species within the limits set by the Animal Collection Plan of the Zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due consideration of the health and welfare of the animals and interest of their long-term survival.	The zoo has already implemented the various population control measures like vasectomy, segregation of sexes to control population in Spotted deer, Black buck, Barking deer and Sambar deer. The same will be continued on regular basis	The no record was shown during the evaluation with regard to population control among herbivores.
29.	The Zoo should implement the disaster management plan and should carry out training and mock drills to prevent accidents and should have disaster management safeguard against any accident / escape of the Zoo animals from the premises of the Zoo and in the event of any accidental escape immediate action to retrieve the escaped animals.	Will be complied as soon as possible.	Yet to be complied.
30.	The Zoo should research plan as indicated in the Master Plan and conducted research on the prioritized species and species areas of concern in association with other research institutions / colleges / universities.	Will be complied while implementing the new Master Plan.	Yet to be complied
31.	The Zoo must publish information	Complied	The zoo has published a brochure on

	brochures, leaflets etc. for visitors and for education and awareness.		the zoo for visitors.
31.	The Zoo must publish Annual Report on various activities and printed copies of the reports must be submitted to the Central Zoo Authority.	Complied	The zoo has published annual report.
32.	The Zoo Operator should provide adequate number of visitor sheds / rain shelters and drinking water points at suitable placed without compromising the existing landscape and viewing of the enclosures. It should be friendly for physically challenged person.	All new public facilities provided under the new development works starting from Entry Plaza at the main entrance gate are made friendly for physically challenged visitors including the Humboldt penguin facility, public toilets, drinking water fountains, etc. Presently under the public amenities, new toilet blocks (2 nos.), drinking water fountains (8 nos.) are ready and made functional which are suitable for physically challenged personnel.	There are new public facilities coming up at the zoo. However, there is need provide adequate number of visitor sheds / rain shelters and drinking water points at suitable placed without compromising the existing landscape and viewing of the enclosures. It should be friendly for physically challenged person.
33.	Ramps should be provided for animal viewing and sufficient wheel chair should be provided for physically challenged visitors. The toilets and drinking water points should be made physically challenged visitors friendly.	All new public facilities provided under the new development works starting from Entry Plaza at the main entrance gate are made physically challenged visitors friendly including the Humboldt penguin facility, public toilets, drinking water fountains, etc.	The new facilities comply with the feature of ramp for physically challenged visitors.

PART-III

Rule 10: Standards and Norms subject to which recognition under section 38H of the Act shall be considered.

Norm No.	Condition	Detailed status of implementation and enclosure specific recommendation	
		To be filled by the Zoo Director	Comments of the Evaluating Officers
I. General requirements			
1.1	Does the zoo make efforts to maintain population of physically, genetically and behaviourally healthy animals for furthering the cause of wildlife conservation and communicating credible conservation message to the visitors? b) If not please specify cases where it is violated? * Only in cases where stud books are maintained c) If any introduction of new blood has been made after last evaluation to increase the genetic viability of animals.	YES No	The zoo should take adequate care to locate and design all 'pucca' buildings including the visitor facilities in such a manner that the natural landscape of the zoo and animal enclosures are not masked and the cleanliness and hygiene of the zoo is not affected. No
1.2	Whether any endeavour has been made for proper landscaping and planting of appropriate species done to provide a naturalistic environment within the zoo? (b) If not indicate cases of deviation.	YES	More efforts to be done by the zoo for appropriate landscaping and planting.
1.3	(a) Whether the movement of visitors in the zoo has been regulated in such a manner that zoo animals are not unduly disturbed? (b) Is the zoo closed to visitors at least one day in a week? (c) Which day?	YES YES Wednesday	There is urgent need to provide directional maps for the convenience of zoo visitors.
1.4	(a) Whether the zoo has appropriate barriers along the boundary of the zoo in accordance with the standards issued by the Central Zoo Authority, as a safeguard against the un-regulated access of visitors to the zoo and zoo animals and being subjected to injury, pilferage and predation? (b) If not which stretch and its length?	YES --	Yes --
1.5	(a) Is the zoo surrounded by human landscape?	YES	Yes

	(b) If YES, whether encompassed by a perimeter wall of at least two meter in height from the ground level on both sides?	YES																																														
1.6	(a) Is there residential colony constructed within the zoo premises?	No	No																																													
	(b) If YES, whether separated by wall from the zoo premises by a boundary wall with a minimum height of two meters from the ground level?	NA																																														
	(c) Is the entry to the residential colony through the zoo premises?	No																																														
1.7	(a) What are arrangements for managing solid and liquid waste and storm water?	Major part solid waste generated inside the premises is being now treated and converted through wormy composting method. Some excess solid waste is discarded through Solid Waste Management department of MCGM. Liquid waste and storm water is being discarded through separate sewer lines and storm water drains.	No proper arrangement is present.																																													
	(b) Is it adequate?	Yes																																														
	(c) What are the short comings?	--																																														
1.8	(a) Is the zoo displaying sick, injured, infirm and tethered animals to the visitors?	No	No																																													
	(b) If YES, what are the species and each of their number?	--																																														
1.9	a) Is the zoo housing domestic animals within the zoo premises?	No	No																																													
	b) Is there adequate safeguards in place to prevent the entry of domestic livestock, stray animals and pets into the zoo premises?	YES																																														
2. Administrative & Staffing Pattern																																																
2.1	Does the zoo have an officer of appropriate rank as "whole time in-charge" of the zoo with powers to take decision and ensure that adequate financial resources and infrastructural support is made available to such officer for proper housing, upkeep and healthcare of the zoo animals and managing the zoo in a planned manner?	YES	Yes																																													
2.2	Does the zoo have adequate scientific and technical staff to support the officer-in-charge of the zoo in carrying out the responsibilities of housing, upkeep and healthcare of zoo animals, research and visitor education as specified in the Table below, namely:	The current scientific and technical staff at this zoo is as below.	The VJB Udyan Zoo, being medium category sized zoo should have a full time Biologists and Education Officer.																																													
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2.3	If the scientific and technical posts are filled by direct recruitment, does the recruitment rule for such posts provide for their career progression including the benefit of flexible complementing scheme for their promotions?	YES																																														
2.4	In the event of emergency, what is the response time when	Immediately. One Veterinarian resides near																																														

	the veterinarian is off the premises (i.e. distance between officer, residence and zoo)	the zoo.	
3. Development and planning			
3.1	(a)Has the zoo prepared and got the master plan approved by the Central Zoo Authority?	YES	Yes however the zoo is yet to submit the amended Master (Layout) Plan with additional area to CZA for its approval.
	(b)If not, what is the stage?		
3.2	(a)Has at least 30% of the area earmarked for the zoo been kept under green belt and natural vegetation and the area for animal housing does not exceed 30% area of the zoo?	YES	The zoo has been asked for the same.
	(b)If not, approx what percentage?		
3.3	(a)Have all 'pucca' buildings including the visitor facilities been planned and located in such a manner that the natural landscape of the zoo have not been masked and the cleanliness and hygiene of the zoo is not been affected due to such animal enclosures/structures?	YES	Plastic waste lying in the zoo at various places should be disposed in hygienic manner.
	(b)If not what improvements are suggested?	--	
3.4	Has the zoo prepared a collection plan in consultation with the Central Zoo Authority, indicating the names of the species and maximum number of animals of each species to be housed in the zoo, having due regard to the congeniality of the climatic conditions of the locality for the general health and well being of the species, availability of space and infrastructural support for proper upkeep and healthcare of the species, proximity of the zoo to the habitat range of the species and the past record of the zoo in management and breeding of the species and the zoo is not compromising on housing and upkeep standards of animals for accommodating new species or additional animals of the species in its collection?	YES	Yes
3.5	(a)Has the zoo accepted any rescued animal for which it does not have appropriately designed enclosure and upkeep facilities as well as the facilities for keeping it in isolation during quarantine period?	YES	In patient ward at the zoo found not utilized. The same should be made functional. The quarantine area created for housing Giraffe, Zebra, Hippo and Carnivores, lying unutilized should be made functional, since the zoo does not have these animals presently thus the facility should be used for other herbivores and others.
	(b)If YES which species and from where received?	Rhesus Macaque Free roaming inside the zoo premises	
	(c)The location of quarantine and isolation area?	Next to new kitchen complex	
3.6	a) Has the zoo accepted any rescued animal for housing?	No	It was

	b) If so what is the species and number?	NA	observed that the zoo has not been obtaining prior approval from the CWLW of the State and CZA for the animals received as rescued. Thus keeping in view of the welfare of the animals, the zoo should stop further receiving any rescued animals.
	c) Has the details been reported to CWLW of the state including a detailed report regarding the source from which the animal has been received, legality of its acquisition and the facilities available at the zoo for housing, upkeep and healthcare?	NA	
	d) If the rescued animal pertains to an endangered species whether a copy of the report has been sent to the Central Zoo Authority ?	NA	
3.7	(a) Whether the Central Zoo Authority has advised to transfer any animal to a particular zoo for augmenting the number of founder animals for the conservation breeding program?	No	The zoo should not accept any rescued animal unless it has appropriately designed enclosure and upkeep facilities for the animal as well as the facilities for keeping it in isolation during quarantine period. It was seen during the evaluation that the zoo has been housing number of animals like Rhesus macaque, Civet cats etc in substandard enclosures
	(b) Whether the same has been complied with?	NA	
	(c) If not, why?	NA	
4. Animal Housing, display of animals & animal enclosures			
4.1	(a) Are the animals displayed in nature immersing (naturalistic) enclosures?	YES	No
	(b) How many such enclosures for which species exist?	6 enclosures – Elephant, Sambar Deer, Barking deer, Nilgai & Spotted deer, Hippopotamus, Indian Rock Python Crocodile	Other species exhibits also needs similar consideration.
4.2	(a) If the designs and dimensions of various enclosures have been decided having due regard to the biological behavior of the species and the number of animals to be housed	YES	The Zoo Operator should ensure that all the animal exhibits at the zoo should strictly meet the standards and norms as of prescribed by the CZA.

	4. Whether the food storage facilities and working platforms are cleaned and disinfected on regular basis?	YES	
	5. Whether the regular inspection of food items is being done for its quality and freshness and transported hygienically to the respective enclosures?	YES	
	6. Whether random food and water samples are being tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory	YES	
	Carnivore food and hygiene		Yes
	1. Whether the meat house is fly proof and pest free and located at a reasonable distance from the feed store and kitchen?	YES	
	2. Whether the zoo maintains strict hygienic conditions in the entire food stream, from the butchery to feeding platforms in order to prevent food contamination and overgrowth of potential pathogenic bacteria?	YES	Yes
	3. Whether the zoo has a sufficient size functioning freezer in the meat processing facility for storage of meat products and to keep cold until it is fed?	No	No
	4. Whether the meat handlers entering the facility change into a clean and disinfected boots and coveralls?	No	No
	5. Whether the meat handlers use clean gloves when handling the meat?	YES	
	6. Whether the meat preparation facility is thoroughly cleaned and disinfected on regular basis after the meat preparation is completed?	YES	Yes
	7. Whether there is a covered drainage system to prevent wastes and water from the meat preparation facility from draining onto the ground surrounding the facility where foot traffic will carry pathogens around and where wildlife may become exposed to the waste?	YES	YES
	8. Whether the meat is fed on a clean and disinfected surface and at a time when the animal will consume it at quickly as possible?	YES	YES
	9. Whether the keepers use clean gloves, if they handle the meat prior to feeding?	YES	YES
	Food distribution	YES	YES
	1. (a) Is the timing of distribution of food, placement of food and way of distribution of food to the animals regulated in such a manner that the animals get maximum opportunity to express natural instincts and skills and behavior related to feeding?		
	Removal of unused feed and excreta	YES	YES
	Are the left over feed, excreta of animals and all other wastes are removed promptly from the feeding cells and kraals and the feeding cells and kraals are washed and disinfected as per the advice of the authorized veterinary officers and the solid and the liquid waste generated during the process are disposed off in such manner that has no adverse impact on the hygiene and cleanliness of the zoo and the landscape surrounding the zoo?		
	(a) In which cases improvement is recommended?		
	(b) Are the dimensions and designs of the feeding cells and kraal as per the standards specified by the Central Zoo Authority?	YES	YES
	(c) Cases of deviation, if any?		
5.3	Visual observation on daily activity pattern of animals and preventive healthcare	YES	YES
	1. (a) Do the curatorial and the veterinary staff keep a close watch on the general behavior and health parameters of the zoo animals?		
	(b) Are the animals handled only by the staff having experience and training in handling the individual animals?	YES	YES
	(c) Whether periodical health monitoring of animals have been carried out regularly?	YES	YES

	2. If any animal shows any sign of dullness, loss of appetite, injury or abnormal behaviour: is the animal thoroughly assessed and provided medical attention promptly as per the standards specified by the Central Zoo Authority in this regard from time to time and the direction of the zoo administration?	YES	YES
	3. Is every zoo animal screened for parasitic loads as per written schedule prepared by the zoo in consultation with the veterinary officer and prophylactic medicines administered as per clinical requirements and vaccination of animals against infectious diseases are also done, as per the schedule prescribed by the Veterinary Officer from time to time?	YES	YES
	4. Whether the zoo have written schedule of vaccination and de-worming of different species of the zoo animals and displayed at the enclosure site?	YES	YES
	5. Does the zoo maintains detailed records of observations of biological and social behaviour and health status of the animals including feed intake, medication and treatment provided in the keeper's diary, daily reports, animal history cards and treatment cards, as per standards specified by the Central Zoo Authority?	YES	The zoo should maintain the individual Animal History Cards, treatment cards for all Schedule I & II animals housed at the zoo, in the format as prescribed by the CZA..
	6. Are all staff involved with upkeep and healthcare of zoo animals screened against zoonotic diseases once every year and those found positive to any communicable disease are provided appropriate treatment till they get cured and become free of the infection and during the period of such treatment, the infected employees are kept away from the responsibility of upkeep and healthcare of the animals?	YES	Yes
	7. Whether the zoo has clause of employing a zoo keeper temporarily ailing for usefully utilizing them elsewhere in the zoo in the intervening period.	YES	Yes
	8. Every zoo should have formal linkages through a MoU on healthcare, preventive, health management, surgical interventions, clinical tests, disease diagnosis and consultation in treatment and management during the period of convalescence.	YES	Yes with local veterinary college.
	(a) Whether the zoo has any such MoU with the nearest veterinary institution?	Mumbai Veterinary College, Parel	
	(b) Whether the MoU contains names and contact details of person/ persons to be contacted to assist zoo management in all aspects in health management for zoo animals?	YES	
6. Veterinary and Infrastructure Facilities			
6.1	Zoo hospital	YES	The new hospital at the zoo is on the way to get new equipments. At the time of evaluation it was not functional, however, the zoo director assured that in three months time it shall be made functional.
	(a) Are veterinary facilities appropriate to the size and type of the animal collection of the zoo including isolation ward and quarantine facilities located away from the hospital and other animal collections?		
	(b) Does the zoo have a full fledged veterinary unit with all basic diagnostic facilities, pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and in-patient wards?	YES	
	(c) Are there suitable and appropriately designed holding facilities for animals requiring extensive medical care?	YES	
	(d) Whether the veterinary facilities have a separate area / room for equipment cleaning and sterilization?	YES	Yes
	(e) Whether the zoo has basic hospital and monitoring equipment:		
	✓ refrigerator (50C)	YES	YES
	✓ stethoscope	YES	YES

	✓ freezer (-17C)	No	No
	✓ scales for weighing animals	YES	YES
	✓ transponders for animal ID and transponder reader	YES	YES
	✓ ultra-low freezer (-70C) for serum banking and diagnostic samples	No	No
	✓ ophthalmoscope	YES	YES
	✓ otoscope,	YES	YES
	✓ thermometer	YES	YES
	✓ capture equipment (i.e. darts and dart projectors)	YES	YES
	✓ laryngoscope and blades	YES	YES
	✓ endotracheal tubes		
	✓ oxygen support (regulators and demand valves)	YES	YES
	✓ inhalation anesthesia machine that can support a tiger-sized animal	YES	YES
	✓ isoflurane vaporizer	No	No
	✓ anesthesia monitoring equipment (single or multiparameter)	YES	YES
	✓ pulse oximeter	YES	YES
	✓ ECG (blood pressure monitor included)	YES	YES
	✓ basic surgery instruments	YES	YES
	✓ surgical light	YES	YES
	✓ autoclave	YES	YES
	✓ basic dental instruments	No	No
	(f) Whether the zoo has basic diagnostic support to enable and make rapid assessments of physiologic status of sick and injured animals:	NO	NO
	✓ Hematocrit and hematocrit centrifuge for Packet Cell Volume	No	No
	✓ Hand-held refractometer for Total Serum Solids	No	No
	✓ Hemacytometer and associated items for Manual RBC and WBC counts	No	No
	✓ Standard laboratory centrifuge, microscope and glassware for Fecal Parasite Examination	No	No
	✓ Standard laboratory centrifuge and glassware for Serum / Plasma separation	No	No
	g) Whether the zoo has arrangements of reference laboratory support and rapid transportation of diagnostic samples to nearest veterinary institution equipped with following facilities: <ul style="list-style-type: none"> ✓ Automated blood cell counting ✓ Clinical chemistry ✓ Bacterial culture and antibiotic susceptibility ✓ Viral isolation and identification ✓ Antibody/ antigen serology ✓ Pathogen identification through ELISA or PCR ✓ Toxic agent analysis ✓ Parasite identification 	YES	YES
	(h) Has the zoo acquired sophisticated and costly diagnostic equipments for which there are no technically qualified manpower to operate and use the same?	YES	YES
	(i) Whether the veterinarian and technician have requisite training for equipment use and data analysis?	YES	YES
	(j) Are there proper storage facilities for various medicaments and chemical immobilization drugs?	YES	YES
	(k) If a mini zoo, does it have at least facilities of a treatment room?	--	--
5.2	Animal restraint	YES	YES
	(1) Whether the zoo has appropriate animal restraint equipment, accessories and drugs ?		YES
	(2) Whether the animal restraint equipment are being kept and maintained as per standard protocol ?	YES	YES
	(3) Whether the veterinarian and technician have requisite training in equipment use and animal restraint techniques including handling of drugs and management of human	YES	YES

	emergencies?																	
	(4)Is it the restraint of an animal requiring chemical immobilization done exercising utmost care and following the standards specified in this regard by the Central Zoo Authority from time to time?	YES	Yes															
	(5)Whether the veterinarian has requisite training in Animal immobilization with specific reference to wildlife?	YES	Yes															
	(6) Is there a dedicated refrigerator for storage of chemical restraint drugs?	YES	Yes															
5.3	Veterinary Support staff Does the zoo have the zoo veterinary support staff as specified in the Table below ; namely – <table border="1" data-bbox="199 504 699 840"> <thead> <tr> <th>S. N</th> <th>Support staff</th> <th>Large Zoo</th> <th>Med Zoo</th> <th>Small Zoo</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Lab Assistant (Tech)</td> <td>1</td> <td>1</td> <td>-</td> </tr> <tr> <td>2</td> <td>Stock man / Compounder</td> <td>2</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	S. N	Support staff	Large Zoo	Med Zoo	Small Zoo	1	Lab Assistant (Tech)	1	1	-	2	Stock man / Compounder	2	1	1	Lab Assistant – The proposal to fill up the same is under progress. The same will be complied within 6 months Compounder - YES	The zoo should have a full time Lab Assistant and a Compounder to assist the Veterinary Officer.
S. N	Support staff	Large Zoo	Med Zoo	Small Zoo														
1	Lab Assistant (Tech)	1	1	-														
2	Stock man / Compounder	2	1	1														
5.4	Wildlife veterinary medical education and training 1. Does the zoo have linkages with the eminent institutions and organizations working in the field of wild animal healthcare with the objectives to provide for : <ol style="list-style-type: none"> Assistance in scientific diagnosis of diseases of serious nature and advice on the effective remedial treatment. Training and upgrading technical skills of animal health staff. Development of protocols for preventive medicines and vaccination 	YES	Yes, there are many intern veterinary students are being educated at the zoo.															
	2. Whether the veterinary officer has requisite training/education in wildlife medicine/health ?	YES																
	3. Whether the zoo has any training programme/residency for skill development for the zoo veterinary medical officer in wildlife medicine in a large foreign zoo ?	No																
7. Post-mortem and disposal of carcasses of animals																		
7.1	Post mortem facilities 1. Does the zoo; unless it is mini zoo have a modern post mortem room, equipped with sufficient light and post mortem equipment?	A new facility Under construction. Presently an old facility is being utilised. The new facility will be functional within 3 months.	There were few post mortem report at the zoo were found without the signature of veterinary officer, which is not acceptable. All pm report must be signed by the Veterinary Officer conducting the PM.															
	2. Whether the zoo veterinarian has specialized knowledge and skills in wildlife pathology?	YES																
	3. Is there availability of pathology support from nearest veterinary institution to provide specialized capabilities and consultation particularly for post mortem of an endangered species requiring definitive diagnosis and collection of samples in a scientific way and as per protocols required by reference laboratories / veterinary institute?	YES																
	4. Does every animal dying in the zoo is being subjected to a detailed post mortem examination by registered veterinarian to determine conclusively the cause of the death?	YES																
7.2	Are the findings of the post-mortem examination referred to in sub-paragraph (1) recorded in such format as have been prescribed by Central Zoo Authority in this regard and is it maintained for a period of not less than six years?	YES	No such records was seen during the evaluation.															

7.3	1. In the event of the post mortem being inconclusive and no specific reason for death is identified, do the zoo authorities send the samples of the tissues and organs, blood, viscera etc. for further examination to the qualified diagnostic laboratory having adequate specialization for further investigation and identifying the cause of death?	YES	
	2. Whether the post mortem report is corroborated with other diagnostic findings in consultation with specialized reference laboratories / veterinary institutions?	YES	--
7.4	Does the zoo ensure that the carcasses of the animals, after the post-mortem has been conducted, is disposed off by burying or burning in a manner that does not have any adverse impact on the hygiene and cleanliness of the zoo ?	YES	Yes
	a) Are the carcasses of large cats disposed off by burning in the presence of Director of the zoo or any officer in the next rank to him and authorized by him in this behalf?	YES	Yes
	b) Are the carcasses of animals which died due to Anthrax or such other communicable diseases not opened and subjected to post-mortem, as a safeguard against spread of the disease and they are buried intact?	YES	Yes
8. Euthanasia			
8.1	No animal in the zoo shall be euthanized unless doing so is essential for relieving from suffering from incurable disease /condition as per the norms of CZA.	YES	---
9. Acquisition and breeding of animals			
9.1	Are animals of various species kept and maintained in social viable groups and with such a sex ratio that optimizes breeding and helps in developing a self-sustaining population of each species?	YES	The zoo is maintaining the non viable social groups of the following animals: Indian pied hornbill, Hill myna, Common palm civet, Bonnet macaque, Gharial, Rat snake, Grey leg goose, Sarus crane, Demoiselle crane, Blossom headed parakeet, White necked stork, Common teal, Stripe hyena as singled sexed at the zoo.
9.2	(a) Has the zoo acquired animals based on scientific assessment of its lineage and genetic relatedness to Safeguard against ill effects of inbreeding on the zoo population, through exchange, loaning and getting gifts of animals from other zoos? (b) If there is any deviation, details thereof.	No ---	No
9.3	(a) Has the zoo acquired single animals or genetically non-viable number of animals unless such acquisition is necessary for pairing of single animals or making the group genetically/ biologically viable? (b) Please indicate such cases.	No ---	The zoo has following single animals which needs to be paired on priority: Indian pied

9.4	(a)Has the zoo tried to acquire mates for single and unpaired animals on priority basis and in the event of any zoo failing to find a mate for single and unpaired animal within a period of six months, the unpaired or single animal have been transferred or exchanged or given on breeding loan to any other zoo in accordance with the norms specified by the Central Zoo Authority in this regard?	Under progress	hornbill, Hill myna, Common palm civet, Bonnet macaque, Gharial, Rat snake, Grey leg goose, Sarus crane, Demoiselle crane, Blossom headed parakeet, White necked stork, Common teal, Stripe hyena as singled sexed at the zoo.
	(b)Please indicate unpaired species, its sex and for the period it has been kept unpaired.		
9.5	Has the zoo transported animals from one place to another and if so CZA transportation protocols were followed? For the purpose of transportation of animals from one place to another, are the standards specified in this regard by the CZA complied with.	YES. The Humboldt Penguin brought from Seoul Korea.	Yes
9.6	a. Has the Central Zoo Authority assigned any endangered species for Conservation Breeding Programme to the zoo, if so please indicate?	No	No
	b. If a scientific conservation breeding plan species recovery plans for the species have been prepared or not? If the plan is being followed by the zoo?	No	No
	c. Is the Conservation Breeding Facility situated in off display area of the zoo?	-	NA
	d. Has the founder population of the species bred in zoo, indicate numbers bred in the zoo?	-	NA
	e. Have the animals been conditioned for reintroduction in the wild?	-	NA
	f. Has there been sufficient technical inputs from the species experts? Please elaborate the responsibility of conservation breeding of the identified critically endangered species to identified zoos having technical capabilities and housing facilities, preferably close to the distribution range of the species and every zoo shall help the identified zoos in implementing the breeding programme. Please indicate specific cases for the zoo.	-	NA
9.7	Has the zoo spared surplus animals from the breeding population to the participating zoos for display purposes on the basis of quality of housing and infrastructural facilities available with the concerned zoos?	-	NA
9.8	With a view to prevent inbreeding and the loss of heterozygosity is the zoo maintaining the animal history cards & stud and herd book for the animals of endangered species housed in the zoo and putting appropriate identification marks for transfer or exchange animals with other zoos?	-	NA
9.9	a. Is the zoo limiting the number of animals of each species within the limits set by the animal collection plan of the zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due consideration of the health and welfare of the animals and interest of their long term survival? Please indicate species wise numbers over the last three years.	YES	
	b. What methods of population control were employed and comparative success?		
9.10	Has the zoo implemented disaster management plan, training and mock drills to prevent accidents in zoo in accordance with master plan?	No	
	Indicate action taken for safeguard against any accident/ escape of the zoo animals from the premises of the zoo and in the event of any accidental escape, immediate action was taken to retrieve the escaped animals?		
9.11	Has the zoo released any surplus captive animal into the wild except in accordance with the norms	No	

	specified by the Central Zoo Authority in this regard? Annex details		
9.12	Is the hybridization of species or races of same species taking place in the zoo? Which species?	No	No
10. Research Activities			
10.1	a. Has the zoo implemented a research plan as indicated in the Master Plan and conducted research on the prioritized species and specific areas of concern?	No	No collaborative research has been carried out.
	b. Has the zoo accessed grants form CZA or other institutions/agencies for the Research Project. Indicate details and outcomes?	No	
	c. Is the zoo carrying out collaborative research for evolving innovative strategies for providing the animals housed in the zoo a better quality of life, enhanced longevity, higher genetic and behavioural viability and improved reproduction potential and to achieve the said goal.(Every zoo, other than mini zoos, shall make arrangements for meticulous recording of data on the social behaviour, group dynamics and reproductive biology of the species housed in the zoo and developing a data base to be shared with other zoos and the identified institutions, in accordance with norms specified by the Central Zoo Authority in this regard)	-	
	d. Research paper/ technical reports published. Details of its implementation.	--	
11. Education and Outreach Activities			
11.1	a. Has the zoo made efforts to educate the visitors to the zoo and the people at large about the significance of wildlife conservation for the general well-being of the people and keeping the life support system of nature intact and to make people aware about the role played by the zoos in this regard and the ways and means through which general public can participate and contribute for the same?	YES 1) Celebration of various events like Wildlife Week, World Environment Day , World Earth Day,etc 2) Zoo Awareness Programs for teachers & students	Yes, the zoo is active in organizing such events
	b. Whether the zoo has appropriate signages and interpretation facilities, Souvenir Shop, Library Facility accessible, dedicated Website and carrying out the Outreach and awareness, Guided Tour, celebrations of various events	YES 1) Direction signages, animal exhibit signages 2) Signages showing various public amenities such as Drinking water, Toilets, etc 3) Zoo leaflets, brochures for visitors	Signages needs further improvement.
11.2	Is physical handling or performances by animals permitted as part of educational activity?	No	
12. Visitor Facilities			
12.1	Is the zoo providing adequate civic facilities for visitors at appropriate and convenient places in the zoo including physically disadvantaged persons and such facilities are so located that they do not mask or impact the view of enclosures?		The zoo should have wheel chair placed at appropriate place for physically challenged personnel's visiting the zoo.
	a. Drinking Water	YES	YES
	b. Urinals	YES	YES
	c. Ramps	YES	YES
	d. Wheel chairs	No	No
	e. Battery Operated vehicles	No	No
	f. Lawns	YES	YES
	g. Visitor shed	YES	YES
	h. Kiosks	YES	YES
	i. rain shelters	YES	YES

	j. cloak rooms for the visitors	YES	YES
	k. zoo visitor guides	No	No
	l. Public Announcement systems, fire alarm during emergency.	Yes. At H Penguin area. For other areas, the zoo has finalised an agency for installation of PA system which will be operational with in 3 months.	
2.2	Does the zoo have first aid facilities including snake anti-venom and life saving drugs, readily available in the zoo premises?	YES	
2.3	Is the zoo making arrangements for providing access to the physically challenged persons for viewing wild animals at various animal enclosures?	YES	The zoo should have first aid kit for the use of visitors. At zoo there should be arrangements for providing access to the handicapped persons for viewing wild animals at various animal.
1(1)	Maintenance of Records and submission of Inventory		
			The zoo should maintain the record of the births, acquisitions, deaths and disposals of animals of each species in its collection in the manner and in the format as prescribed by the Central Zoo Authority.

PART-IV
RECOMMENDATION

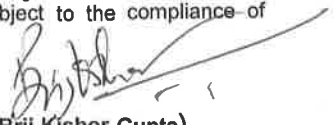
(On the basis of observations of the status as per Recognition of Zoo Rules, 2009)

Sr. No	Norm No.	Particulars of suggestions/recommendation	Time Period to Comply
Administrative and Staffing Pattern			
1.	10(2.2)	The VJB Udyan Zoo, being medium category sized zoo should have a full time Biologists and Education Officer.	Six months
2.	10(2.3)	In patient ward at the zoo found not utilized. The same should be made functional.	With immediate effect
3.	10(3.7)	The zoo should not accept any rescued animal unless it has appropriately designed enclosure and upkeep facilities for the animal as well as the facilities for keeping it in isolation during quarantine period. It was seen during the evaluation that the zoo has been housing number of animals like Rhesus macaque, Civet cats etc in substandard enclosures.	With immediate effect
4.	10(3.8)	It was observed that the zoo has not been obtaining prior approval from the CWLW of the State and CZA for the animals received as rescued. Thus keeping in view of the welfare of the animals, the zoo should stop further receiving any rescued animals.	With immediate effect
Animal housing, display of animals and animal enclosures			
5.	10(4.2)	The Zoo Operator should ensure that all the animal exhibits at the zoo should strictly meet the standards and norms as of prescribed by the CZA.	With immediate effect
6.	10(4.2)	The Zoo Operator should while doing various development work at the premises of the zoo give priority for the animals which are housed in substandard housing, rather focus of other allied activities.	With immediate effect
7.	10(4.6)	The enrichment provided at Penguin exhibit should have first got tested in off exhibit area and artifacts used for enrichment should be natural. The plastic ropes provided as enrichment to macaques and other animals should be avoided, rather rope made of natural material should only be utilized.	With immediate effect
8.	10(4.7)	The proposed Blackbuck enclosure next to service road to kitchen and quarantine area should be provided with adequate screening.	With immediate effect
9.	10(4.10)	The zoo has proposed interpretation and auditorium facility, for conducting various education and awareness programmes at the zoo, however, it has not been made functional. The zoo is advised to make the same functional at an early date.	Three months
Upkeep and healthcare of animals			
10.	10(5.2)	Dry ration be checked for adulteration, if any. It should be ensured that no animal at the undernourished.	With immediate effect
11.	10(5.5)	Plastic waste lying in the zoo at various places should be disposed in hygienic manner.	With immediate effect
12.	10(5.10)	The zoo should maintain the individual Animal History Cards, treatment cards for all Schedule I & II animals housed at the zoo, in the format as prescribed by the CZA..	With immediate effect
Veterinary and infrastructure facilities			
13.	10(6.3)	The quarantine area created for housing Giraffe, Zebra, Hippo and Carnivores, lying unutilized should be made functional, since the zoo does not have these animals presently thus the facility should be used for other herbivores and others.	With immediate effect
Post-mortem and disposal of carcasses of animals			
14.	10(7.1,2&3)	There were few post mortem report at the zoo were found without the signature of veterinary officer, which is not acceptable. All pm report must be signed by the Veterinary Officer conducting the PM.	With immediate effect
15.	10 (7.5)	The zoo should have a full time Lab Assistant and a Compounder to assist the Veterinary Officer.	Six months
Visitors facilities			
16.	10(12.1)	The zoo should have wheel chair placed at appropriate place for physically challenged personnel's visiting the zoo.	Three months
17.	10(12.3)	The zoo should have first aid kit for the use of visitors. At zoo there should be arrangements for providing access to the handicapped persons for viewing wild animals at various animal.	With immediate effect
Maintenance of Records and submission of Inventory			
18.	11(1)	The zoo should maintain the record of the births, acquisitions, deaths and disposals of animals of each species in its collection in the manner and in the format as prescribed by the Central Zoo	With immediate effect

		Authority.	
		Non Statutory	
1.		The zoo should have independent website of the Zoo for the use of its visitors. May also have online booking system for zoo entrance tickets.	
2.		There are vacant space lying outside the Penguin exhibit, may be utilized for interpretation and display of graphics on animal.	
3.		The keeper should be provided with uniform, so they can be identified by the visitors in case of any help they may need or any emergency situation.	

Recommendation:

It is recommended that the CZA may consider recommending granting renewal of recognition to the VJB Udyan Zoo, Byculla, Mumbai, Maharashtra (Medium Zoo Category) for the period of two years subject to the compliance of conditions, as of submitted above.


(Dr. Brij Kishor Gupta)



GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

Central Zoo Authority



F. No. 19-70/93-CZA(161)(Vol. XVI)(BKG) / 26 71/2016

Email
DATE: 22.09.2016

To

Director (Zoo) I/C
Veermata Jiajbhai Bhosle Udyan Zoo
Byculla, Mumbai 400 027

Sub:-Renewal of recognition to Veermata Jiajbhai Bhosle Udyan Zoo, Byculla, Mumbai, Maharashtra under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 31.12.2015 - Reg.

Sir,

Reference is invited to your letter No. DirVJBU-Zoo/OD/514, dated 16.01.2016 seeking grant of renewal of recognition to Veermata Jiajbhai Bhosle Udyan Zoo, Byculla under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 31.12.2015.

The evaluation of the Veermata Jiajbhai Bhosle Udyan Zoo, Byculla was carried out by Dr. D. N. Singh, Member Secretary, Central Zoo Authority on 16th June, 2016. The evaluation report of the Veermata Jiajbhai Bhosle Udyan Zoo, Byculla as submitted by the evaluating officer was considered by the Technical Committee in its 79th Meeting held on 24th August, 2016.

The Technical Committee of the Central Zoo Authority has decided to grant renewal of recognition to Veermata Jiajbhai Bhosle Udyan Zoo, Byculla as a "Medium Category Zoo" under Section 38H of the Wild Life (Protection) Act, for a period up to 23.08.2017 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.	Particulars of Suggestions	Time Required to Comply
1. General Requirements			
1	1.5(b)	The remaining portions of the boundary wall needs to be completed with consensus from all stake holders. The miscreants are taking advantage of the situation.	Within one year
2	1.5	The office of the Supdt. of Garden should be shifted from the zoo premises immediately.	With immediate effect
3	1.9	Stray dogs captured by Municipal Corporation in Byculla area should not be released in close proximity of the zoo and it should be stopped.	With immediate effect
2. Administrative & Staffing Pattern			
4	2.1	The "whole time in-charge" of the zoo should be vested with adequate administrative and financial powers to take decision and he should be provided financial resources and infrastructural support for proper housing, upkeep and healthcare of the zoo animals and managing the zoo in a planned manner.	With immediate effect

5	2.1	The control of security personnel of the zoo should be under the control of Zoo Director .	With immediate effect
6	2.1	The vacant posts especially animal keepers and other supporting staff should be filled up.	With immediate effect
7	2.2	The posts of Curator and Biologist should be filled up.	Within one year
3. Development and planning			
8	3.1	The master plan should be submitted for approval of the CZA.	Within two months
9	3.3	The 'pucca' buildings including the visitor facilities should be masked by planting trees and bushes to give more naturalistic look in the existing green environment of the zoo. The colours of the buildings and structures also should be chosen in such a manner that they are not very much conspicuous.	Within one year
4. Animal Housing, display of animals & animal enclosures			
10	4.5	The construction of the animal enclosures as per approved master plan should be expedited.	As per the approved master plan.
11	4.6	The enrichment of the animal enclosures should be carried out continuously and on priority.	Within one year
12	4.10	The signage of animal enclosures should be made uniform and should be provided in all enclosures. More directional signage should be provided for benefit of the visitors. The existing signage should be displayed properly.	Within one year
5. Upkeep and healthcare of animals			
13	5.1 (c)	The food containers and water bowls should be cleaned and disinfected on daily basis.	With immediate effect
14	5.1 (d)	The grills and floor of feeding cells, night shelters and chain link fence of outdoor enclosures should be disinfected on routine basis.	With immediate effect
15	5.1 (e)	The perches and shelves should be cleaned regularly and kept free of faeces and urine.	With immediate effect
16	5.1 (h)	The provision of footbath of adequate size with proper disinfectant at entry and exit points of animal house should be provided in all enclosures.	With immediate effect
17	5.2 (3)	The storage conditions of the food items should be made properly free from moisture, moulds and pests. The dry ration storage facility is proper but green vegetables and fruits should be stored properly.	With immediate effect
18	5.2 (4)	The food storage facilities and working platforms for vegetables and fruits should be cleaned and disinfected on regular basis.	With immediate effect
19	5.2 (5)	The regular inspection of food items should be done for its quality and freshness and transported hygienically in clean and disinfected containers with proper cover to the respective enclosures.	With immediate effect
20	5.2 (6)	The food and water samples should be randomly tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory.	With immediate effect
6. Veterinary and Infrastructure Facilities			
21	6.1 (b)	The zoo should have a full-fledged veterinary unit with all basic diagnostic facilities, pharmacy, diagnostic and treatment room, comprehensive range of drugs, operation theatre and in-patient wards by using newly constructed	With immediate effect

		facilities.	
22	6.1 (c)	The newly constructed holding facilities for animals requiring extensive medical care should be brought in use.	With immediate effect
23	6.1 (e)	The zoo should acquire basic hospital and monitoring equipment which it does not have at present.	Within one year
24	6.1 (f)	The zoo should have basic diagnostic support to enable and make rapid assessments of physiologic status of sick and injured animals	With immediate effect
25	6.3	The zoo should fill up the posts of veterinary support staff as per the Recognition of Zoo Rules, 2009.	Within one year
9. Acquisition and breeding of animals			
26	9.4	The zoo should arrange to pair its large number of species having single animals.	Within one year
27	9.8	The zoo should maintain the animal stud and herd book for the animals of endangered species housed in the zoo and putting appropriate identification marks for each animals within the zoo.	Within one year
28	9.9	The population of deer and antelope species in the zoo is more than its carrying capacity of the zoo. The zoo should limit the number of animals of each species within the limits set by the animal collection plan of the zoo by implementing appropriate population control measures like segregation of sexes, vasectomy, tubectomy and implantation of pellets etc., with due consideration of the health and welfare of the animals and interest of their long term survival	Within one year
29	9.10	The zoo should implement the disaster management plan and should carry out training and mock drills to prevent accidents and should have disaster management safeguard against any accident/ escape of the zoo animals from the premises of the zoo and in the event of any accidental escape immediate action to retrieve the escaped animals.	With immediate effect
10. Research Activities			
30		The zoo should research plan as indicated in the Master Plan and conducted research on the prioritized species and specific areas of concern in association with other research institutions/ colleges/ universities.	Within one year
11. Education and outreach activities			
31	11.1	The zoo must publish information brochures, leaflets etc. for visitors and for education and awareness.	Within one year
31	11.2	The zoo must publish annual report on various activities and printed copies of the reports must be submitted to CZA.	Within one year
12. Visitor Facilities			
33	12.1	The zoo operator should provide adequate number of visitor sheds/ rain shelters and drinking water points at suitable placed without compromising the existing landscape and viewing of the enclosures. It should be friendly for physically challenged person.	Within one year
34	12.3	Ramps should be provided for animal viewing and sufficient wheel chairs should be provided for physically challenged visitors. The toilets and drinking water points should be made physically challenged visitors friendly.	Within one year

Further it is to inform that the recognition granted to Veermata Jijabhai Bhosle Udyan Zoo, Byculla for a period up to 23.08.2017 is subject to compliance with above conditions.

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

Grant of renewal of recognition to Veermata Jijabhai Bhosle Udyan Zoo, Byculla beyond the period of 23 August, 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 Veermata Jijabhai Bhosle Udyan Zoo, Byculla 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 sincerely,



(Dr. D. N. Singh)
Member Secretary

Copy to:-

1. The Chief Wildlife Warden, Government of Maharashtra, Nagpur – for information
2. Municipal Commissioner, Municipal Corporation of Greater Mumbai, Mumbai - for information and with a request that the stipulated conditions may be got implemented.
3. Member Secretary, Zoo Authority of Maharashtra, Nagpur – for information.
4. Mr. Vivek Goel, DPA, CZA – to update database.



(Dr. D. N. Singh)
Member Secretary



जहाँ है हरियाली।
वहाँ है खुशहाली।।



GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
Central Zoo Authority



THROUGH REGISTERED POST

F. No. 19-70/93-CZA(161)(Vol. X)(M)/2105

DATE: 26.12.2011

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To

The Director-Zoo
Brihanmumbai Mahanagar Palika,
V. J. B. Udyan - Zoo,
Dr. Ambedkar Road,
Byculla (East),
Mumbai - 400 027 (Maharashtra).

V. J. B.
30/12/11

Sub:- Renewal of recognition to V. J. B. Udyan-Zoo, Byculla, Mumbai under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 31.08.2011.

Sir,

Reference is invited to your letter No. DirVJBU-Zoo/OD/454/2011-12 dated 21.11.2011, seeking renewal of recognition to the V. J. B. Udyan-Zoo, Byculla under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 31.08.2011.

The evaluation of the V. J. B. Udyan-Zoo, Byculla, Mumbai was carried out by Dr. S. Panda and Dr. A. B. Shrivastav on 7th - 10th December, 2011. The evaluation report of the V. J. B. Udyan-Zoo, Byculla as submitted by the evaluating officers was considered by the Technical Committee in its 60th Meeting held on 14th December, 2011.

The Central Zoo Authority has decided to grant of recognition to V. J. B. Udyan-Zoo, Byculla as a medium Category Zoo under Section 38H of the Wild Life (Protection) Act, for a period up to 31st December, 2015 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
1. General requirements			
1.	3	Zoo should have a visitor circulation plan to regulate the movement of the visitors to avoid disturbance to zoo animals. It should have directional sinages to guide the visitors in the desired circulation path inside the zoo.	Within six months
2.	5	Three residential quarters for accommodation of Zoo Director, Garden Superintendent and	With one year

		<p>Addl. Municipal Commissioner are available within zoo premises. The office of the Garden Superintendent also functioning from the zoo. The office and resident facilities of the Garden Superintendent should be shifted from the zoo premises as he not involved in the zoo management.</p>	
3.	9	<p>Stray dogs captured by Municipal Corporation in Byculla area are being released in close proximity of the zoo, which should be stopped, immediately.</p>	Immediately
2. Administrative and Staffing Pattern			
4.	1 (i)	<p>The post of Zoo Director was created in April 2010 without any administrative and financial powers. This is affecting the proper and effective management of the zoo. Adequate administrative and financial power should be vested to the Director for proper management of the Zoo.</p>	Within six months
5.	1 (ii)	<p>The security of the zoo is being managed by the Municipal Corporation. The Director has no control over the deployment and function of the security staff. The dual control of the zoo is not desirable. The security staff of the Municipal Corporation may be deploy in the zoo and under the direct control of the zoo director.</p> <p>The post of camel keepers, camel leader and horse syce may be re-designated as animal keepers as the domestic animals are not being allowed to be displayed in the zoo.</p> <p>The post of Dy. Supt. (vet) is lying vacant, which needs to be filled up by promotion as per existing guidelines.</p> <p>Specific programs for animal keepers and zoo staff should be implemented for capacity building through training and exposure visits to various leading zoo.</p> <p>The zoo education officer is working on same post for the last 17 years, therefore incentives/ promotion avenues may be extended to him.</p> <p>The vacant posts especially animal keepers and other supporting staff may filled up at the earliest.</p>	<p>Within six months</p> <p>With immediate effect</p> <p>Within one year</p> <p>Within six months</p> <p>Within six months</p> <p>Within one year</p>

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3. Development and Planning			
6.	3 (i)	The zoo operator should take adequate steps for completion of the preparation of the Master Plan and its approval at the earliest.	Within three months
4. Animal housing, display of animals and animal enclosures			
7.	2	Most of the enclosures are old and do not confirm the standard prescribed by the CZA. The said enclosures should be modified/rebuild after the approval of the master plan. The vacant enclosures may be merged with the neighboring enclosures if feasible without feeling the existing trees.	Within one year
8.	6	Special effort should be made for enclosure enrichment to meet the behavior requirement of the animals	Within six months
9.	10	Appropriate signages should be provided in each enclosure with relevant information on biology behavior and population status in wild.	Within six months
5. Upkeep and healthcare of animals			
10.	5	The Municipal Corporation of Mumbai should provide one transport vehicle for solid waste disposal to the zoo.	Within six months
11.	8	Periodical health screening of the zoo animals may be carried out at least once in a year to know the health status	Within six months
6. Veterinary facility and infrastructure			
12.	1 & 3	Post-mortem room, isolation and quarantine wards need special improvement.	Within one year
13.	5	Minimum supporting staff including one lab assistant and one stockman should be provided for better healthcare.	Within one year
14.	1 (9)	Improvement of zoo hospital should be made with all basic diagnostic facilities.	Within six months
12. Visitors facilities			
15.	1	The zoo operator should provide adequate no. of visitor sheds/ rain shelters at suitable placed without compromising the existing landscape and viewing of the enclosures. Civic facilities like toilet should be provided inside the zoo premises for physically challenged visitors including those in wheel chair.	Within six months Within six months
11. Maintenance of records			
16.		(i) Zoo must publish information brochures, leaflets etc. for visitors and for education and awareness.	Within six months

17.	(ii) the zoo must publish annual report on various activities and printed copies of the reports must be submitted to CZA.	Within six months.
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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 V. J. B. Udyan-Zoo, Byculla beyond 31st December, 2015 as "a medium 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 V. J. B. Udyan-Zoo, Byculla 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,


27/12/11
(B. S. Bonal)

Member Secretary

Copy to:-

1. The Chief Wildlife Warden, Government of Maharashtra, Nagpur for favour of information and with a request that the stipulated conditions may be got implemented.
2. The Commissioner, Municipal Corporation, Mumbai.
3. Mr. Vivek Goel, DPA, CZA.


(B. S. Bonal)

Member Secretary



केन्द्रीय चिड़ियाघर प्राधिकरण Central Zoo Authority

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

33

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

BY REGISTERED POST

F. No. 19-70/93-CZA(161)(Vol.X)(M)

DATE: 11.8.2008

To

The Superintendent of Gardens,
V. J. B. Udyan-Zoo,
Dr. Ambedkar Road,
Byculla, Mumbai – 400 027 (Maharashtra)

Sub:- Grant of renewal of recognition to V. J. B. Udyan-Zoo, Byculla beyond the period of 31.12.2007 under Section 38H of the Wild Life (Protection) Act, 1972 - Regarding.

Sir,

Reference is invited to your letter No. SGZ/OD/757 dated 26.12.2007 seeking grant of renewal of recognition to the V. J. B. Udyan-Zoo, Byculla, Mumbai beyond the period of 31.12.2007 under Section 38H of the Wild Life (Protection) Act, 1972.

The evaluation of the V. J. B. Udyan-Zoo, Byculla, Mumbai was carried out by Sh. P. R. Sinha, Director, Wildlife Institute of India, Dehradun & Dr. M. Naveen Kumar, Retd. Veterinary Officer, Nehru Zoological Park, Hyderabad on 15.3.2008. The report submitted by the evaluating officers was considered by the Technical Committee in its 48th Meeting held on 23rd July, 2008.

The Central Zoo Authority has decided to grant of recognition to V. J. B. Udyan-Zoo, Byculla, Mumbai as a medium category Zoo under Section 38H of the Wild Life (Protection) Act, for a period up to 31.08.2011 subject to the compliance of the following directives under the Recognition of Zoo Rules, 1992:-

S. No.	Relevant Norm No.	Conditions	Time Period to comply the conditions
General			
1.	1.	The primary objective of the zoo shall be the conservation of wildlife and zoo should not allow any activity that is not consistent with the well being of the wild animals.	With immediate effect

Handwritten signature and date:
28/8/08
19/8/08

2.	2.	The zoo should not acquire any animals in violation of the Act or Rules made there under.	With immediate effect
3.	11A	The zoo has not prepared collection plan for animal to be housed and displayed in the zoo keeping due regard to the availability of land, water, electricity and climatic condition of the area. The animal collection plan should be prepared on the basis of the approved concept plan from the Central Zoo Authority.	Three months
Administrative & Staffing Pattern			
4.	13	The zoo should have an official with master degree in wildlife science/ zoology as a full time Curator solely responsible for looking after the upkeep of animals and maintenance of animal enclosures.	One year
Animal enclosures – Design, Dimensions and other Essential Features			
5.	15	The Zoo Operator shall provide more warning signs for keeping the visitors' at the safe distance from the animals	Six months
6.	16	The animal enclosures in the zoo as proposed in the approved master layout plan from the Central Zoo Authority should have got prior approval from the Central Zoo Authority and should be addressed through implementation of the master plan.	With immediate effect
7.	17	The Zoo Operator should ensure that the proposed animal enclosure should be so designed as to meet the biological requirements of the animals housed therein.	With immediate effect
8.	20	Designing of any new enclosure for endangered species should be finalized with the prior approval of the Central Zoo Authority.	With immediate effect
Hygiene, Feeding and Upkeep			
9.	22	The Zoo Operator shall provide proper waste disposal system for both the solid and liquid wastes generated in the zoo.	Immediately
Animal Care, Health and Treatment			
10.	26	The animals housed at the zoo should be handled by the staff having experience and training in handling the individual animals. Every care should be taken to avoid discomfort, behavioural stress of physical harm to any animal.	With immediate effect

11.	29	The Zoo Operator shall arrange for medical checkup of the staff responsible for upkeep of animal atleast once in every six months to ensure that they do not have infections of such disease that effect of Zoo animals.	With immediate effect
12.	30	The zoo should maintain animal history sheet and treatment card of each animal of endangered species.	With immediate effect
Veterinary Facilities			
13.	31	The Zoo shall improve the basic diagnostic facilities and the veterinary unit should have isolation and quarantine wards to take care of newly arriving animals and sick animals as to minimize the chances of infection spreading to other animals in the zoo.	Six months
14.	34	The Zoo Operator should conduct detailed post-mortem of the animals that dies in the Zoo by the veterinarian registered with State Veterinary Council or Veterinary Council of India and findings of such operation should be recorded for the period of atleast six years.	Immediately
Breeding of animals			
15.	36	The Zoo shall keep in collection only such numbers and species for which appropriate housing facility exists. The Zoo Operator shall be responsible for ensuring that the number of animals of any species does not go beyond the carrying capacity of the enclosures available in the Zoo and housing standards are not compromised for keeping the excessive numbers.	With immediate effect
16.	37	As a compliance of the orders issued by the Hon'ble Bombay High Court dated 18.7.2005 in respect of V.J. B. Udyan-Zoo, the Zoo Operator should shift the male Indian One horned rhinoceros to a recognized zoo in consultation with the Central Zoo Authority. The remaining conditions issued by the Hon'ble Court, Bombay should also be complied.	Six months
17.	40	The Zoo Operator should take necessary steps to safeguard against uncontrolled growth in the population of Black buck, Spotted deer and Rhesus macaques by adopting appropriate population control measures.	With immediate effect

Maintenance of Records and submission of Inventory to the Central Zoo Authority

18.	42	The Zoo shall keep the record of the birth, acquisitions, sales, disposals & deaths of all animals. The inventory of the animals housed in the Zoo as on 31 st March of every year should be to the Central zoo Authority by 30 th April of the same year.	Immediately
19.	43	The Zoo should submit the summary of death of animals in the Zoo for every financial year, along with reason for death identified on the basis of post-mortem reports and other diagnostic tests by 30 th April of the following year to the Central Zoo Authority. In case of death of critically endangered species a report alongwith the details specified above should be submitted to the Central zoo Authority within 24 hours.	Immediately
20.	44	The Zoo Operator should submit the annual report of the activities of the zoo in respect of each financial year to the Central Zoo Authority.	With immediate effect

Education and Research

21.	45	The Zoo Operator should ensure that every enclosure in the zoo should bear a sign board displayed scientific information regarding the animals exhibited in it.	With immediate effect
22.	46	The zoo should publish leaflets, brochures, guide books and make same available to the visitors.	Six months

Visitors Facilities

23.	48	The Zoo Operator should provide adequate civic facilities like toilets, visitors shed and drinking water points at convenient places in the zoo for the visitors.	Six months
24.	49	The zoo should have first aid equipments including anti-venom readily available in the premises of the zoo.	With immediate effect
25.	50	The Zoo Operator should provide assess to the zoo to physically challenged visitors including those in the wheel chair.	With immediate effect

Development and Planning			
26	51	The Zoo should prepare a long-term Master plan for its development in the format circulated by the Central Zoo Authority during the year 2005 and the same is being published in the CZA's publication "Zoos in India-Legislation, Policy, Guidelines and Strategy". The copies of the said plan should be submitted to the Central Zoo Authority for its approval.	By 31 st March, 2009

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

Grant of recognition beyond 31.08.2011 to V. J. B. Udyan-Zoo, Byculla as a 'medium category zoo' would be considered on the basis of compliance of the conditions stated above, general performance and physical evaluation of the zoo.

The recognition to the V. J. B. Udyan-Zoo, Byculla 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 for favour of information & necessary action to:-

1. The Chief Wildlife Warden, Government of Maharashtra, Nagpur.
2. The Commissioner, Mumbai Municipal Corporation of Greater Mumbai, Mumbai.

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(B. R. Sharma)
Member Secretary

