

Computer No. 136712  
Government of India  
Ministry of Environment, Forest and Climate Change  
CENTRAL ZOO AUTHORITY

B-1 Wing, 6<sup>th</sup> Floor,  
Pandit Deendayal Antyodaya Bhawan,  
CGO Complex, Lodhi Road,  
New Delhi – 110 003.  
Telephone: +911124367846/51/52  
cza@nic.in  
Date: 12/12/2022

To,

The Chief Wildlife Warden,  
Department of Forests,  
Government of Odisha,  
Prakruti Bhawan, 5<sup>th</sup> Floor,  
BDA Apartment, Nilakantha Nagar,  
Nayapalli, Bhubaneswar – 751 012. Odisha.  
(E-mail odishawildlife@gmail.com)

**Subject:- Renewal of recognition of the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha under Section 38-H(1),(3)&(4) of the Wild Life (Protection) Act, 1972 for period beyond August 19<sup>th</sup>, 2021- regarding.**

**Reference:**

1. This office letter no. 21-1/2021-CZA, Computer no. 158516, dated 19.05.2022.
2. Letter No. 3628 dated June 24, 2021, received from the Divisional Forest Officer, Satkosia Wildlife Division, Angul.
3. This office letter no. 19-46/93-CZA(200)(E), Computer no. 136712, dated 09.03.2021  
Sir/Madam,

With reference to above, I am directed to inform that the recognition of Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha was accorded up to August 19<sup>th</sup>, 2021 vide reference no. 3 above. The application for the renewal of recognition of Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha for the period beyond August 19<sup>th</sup>, 2021 was received by this office vide reference no. 2 above.

Shri Pradeep Kumar, IFS (Retd.) was deputed by this office to carry out the evaluation of Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha vide CZA letter at reference no. 1 above. The Zoo was accordingly evaluated on June 16<sup>th</sup>, 2022.

The evaluation report (copy enclosed) as submitted by the evaluation officer was deliberated in the 106<sup>th</sup> meeting of the Technical Committee of the Central Zoo Authority held on September 27<sup>th</sup>, 2022. The Technical Committee after detailed deliberations recommended to the Central Zoo Authority for the renewal of recognition of Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha for a period of two years and to regularise the period after August 19<sup>th</sup>, 2021, subject to compliance with observation/ recommendation in the table below and mid-term evaluation. The members also recommended that the Zoo Operator may be directed to submit half-yearly compliance report with respect to observation/ recommendation stipulated while renewal of recognition.

Subsequently, the recommendation of 106<sup>th</sup> Technical Committee Meeting was approved by the Chairperson, Central Zoo Authority. Accordingly, the Central Zoo Authority has regularised the period after August 19<sup>th</sup>, 2021 and renewed the recognition of Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha for a period up to December 07<sup>th</sup>, 2024 under Section 38-H(1), (3) & (4) of the Wild Life (Protection) Act, 1972. This is subject to the ratification of this decision in the next meeting of the Central Zoo Authority.

| Sl. No.                                      | Particulars of suggestions/ recommendation  | Time Period to Comply |
|--|---|-----------------------|
| <b>1. General Requirements</b>               |   |                       |
| 1  | 10.1(3) Proper Landscaping and planting of appropriate species should be done for having a naturalistic environment in the area | Immediately           |
| 2  | 10.1(5) Should have perimeter wall of atleast two meters in height from the ground level on both the sides.                     | Immediately           |
| <b>11. Education and outreach activities</b> |   |                       |
| 3  | 10.11 Existing awareness and interpretation centre to be strengthened   | Three months          |

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 Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha for the period beyond December 7<sup>th</sup>, 2024 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 Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha 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 the approval of the competent authority.

**Yours sincerely,**

**Encl: as above**

**Sd/  
(Akanksha Mahajan)  
Dy Inspector General Of Forest**

**Copy for information and necessary action to:**

1. The Additional Chief Secretary, Department of Forest & Wildlife, Government of Odisha, Secretariat, Bhubaneswar – 751001. Odisha (Email: fsec.or@nic.in,efsec.od@nic.in) [Zoo Operator of the Gharial Research and Conservation Unit, Tikarpada under Rule 2(m)(III) of the Recognition of Zoo Rules, 2009].
2. The Divisional Forest Officer, Satkosia Wildlife Division and Officer in-charge, Gharial Research and Conservation Unit, Tikarpada, District Angul, Odisha (E-mail:

dfosatkosiawl@gmail.com).

3. 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.136712**

**Government of India  
Ministry of Environment, Forest and Climate Change  
CENTRAL ZOO AUTHORITY**

B-1 Wing, 6<sup>th</sup> 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 09/03/2021**

To  
The Chief Wildlife Warden,  
Department of Forest and Environment,  
State Wildlife Headquarters,  
Prakruti Bhawan, Plot No-1459,  
Saheed Nagar, Bhubaneswar - 751 007, Odisha,  
E-mail: odishawildlife@gmail.com , pccfwlodisha@gmail.com

**Subject: Renewal of recognition of the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha, 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)/2053/2020 dated January 8, 2020
3. This Office letter F.No.19-46/93-CZA(200)(NS)/55/2019 dated January 9, 2019
4. Application vide letter No.3177 dated June 27, 2019 from the DFO, Satkosia Wildlife Division, Angul

Sir,

With reference to above, the undersigned is directed to inform that recognition of the Gharial Research and Conservation Unit, Tikarpada, Odisha, under Section 38-H of the Wild Life (Protection) Act, 1972, was valid till September 28, 2019. Application vide letter No.3177 dated June 27, 2019 received in this office from the DFO, Satkosia Wildlife Division, Angul, for renewal of recognition. Shri Pradeep Kumar, IFS (Retired) and Dr. A. K. Malhotra, evaluating officers deputed by this office have evaluated the zoo on February 26 and 27, 2020. Copy of the Evaluation Report is enclosed herewith for your perusal and needful action.

2. Evaluation Report of the Gharial Research and Conservation Unit, Tikarpada was placed before the Technical Committee in its 96<sup>th</sup> 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 37<sup>th</sup> 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 September 28, 2019 and renewed recognition of the Gharial Research and Conservation Unit, Tikarpada as a Mini Zoo for a period up to **August 19, 2021** 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 |
|---|----------------------------|---|-----------------------|
| <b>1. General requirements:</b>                                     |                            |   |                       |
| 1   | 10.1(7)                    | Zoo management should provide appropriate system for disposal of liquid waste and it should not be allowed to flow into the river. The proper drainage system should be in place in Zoo   | Six months            |
| <b>2. Administrative and staffing pattern:</b>                      |                            |   |                       |
| 2   | 10.2(1)                    | The zoo should post an officer of appropriate rank as whole time in-charge of the zoo with adequate administrative and financial power to take decision and ensure that adequate infrastructural support is made available to such office for proper housing upkeep and health care of the zoo animals and managing the zoo in a planned manner so as to fulfil the goals and objectives.   | Six months            |
| <b>3. Development and Planning:</b>                                 |                            |   |                       |
| 3   | 10.3(1)                    | Master Plan of the zoo should be submitted for consideration of the CZA. The zoo should prepare a concrete plan for research, breeding, rearing and release of gharial. This research centre should have a separate officer equipped with enough subordinates and facilities to carry out effective research and rearing of crocodiles. Further the state government should get this plan approved from CZA within six months. It will be the part of master plan of GRACU. | Three months          |
| <b>4. Animal housing, display of animals and animal enclosures:</b> |                            |   |                       |
| 4   | 10.4(1)                    | More plantation and enrichment should be developed to create naturalness in the enclosures.   | Six months            |
| 5   | 10.4(2), 10.4(5) & 10.4(8) | Design and dimension of the enclosure should be got approved from the CZA before construction of the enclosure and to meet the biological requirement of the animals. Post facto approval of the already constructed enclosure at GRACU must be obtained. Hatchery enclosure should be at off display site.   | Six months            |
| 6   | 10.4(6)                    | Each animal enclosure should be provided with behavioural and breeding enrichment as per the standards of CZA.  | Three months          |
| 7   | 10.4(7)                    | Plantation should be done between the two enclosures for adequate screening and for safeguard the animals.  | Two months            |
| 8   | 10.4(9)                    | Stand-off barrier should be provided in the remaining enclosures with hedge plantation in-between.  | Three months          |
| 9   | 10.4(10)                   | Signage at animal enclosures with adequate information along with directional signages should be provided.  | Two months            |
| <b>5. Upkeep and healthcare of animals:</b>                         |                            |   |                       |
| 10  | 10.5(2)                    | Food and water sample should be got tested periodically.  | One month             |
| 11  | 10.5(8)                    | The Zoo Authority should prepare a schedule to check parasitic load, and Vaccination and Deworming of animals must be done as per the schedule  | Immediately           |

| Sl.   | Norm No. under RZR | Condition   | Time period to comply |
|---|--------------------|---|-----------------------|
| 12  | 10.5(10)           | Biological and social behavioural observation of animal should be recorded properly in Keepers Diary. Daily Report and Animal History Card should be started in the form prescribed by the CZA. | Immediately           |
| 13  | 10.5(10) & 10.9(8) | Animal History card and Stud book should be maintained for each individual captive animal.  | Immediately           |
| <b>7. Post-mortem and disposal of carcasses of animals:</b> |                    |   |                       |
| 14  | 10.7(3)            | Zoo management should send requisite sample for <u>histo</u> -pathological examination to determine conclusive cause of death of a captive animal.  | Immediately           |
| <b>12. Visitors' facilities:</b>                            |                    |   |                       |
| 15  | 10.12(1)           | One wheelchair must be procured for physically challenged visitors.   | One month             |
| 16  | 10.12(1)           | The maintenance of rest room must be improved.  | Immediately           |
| 17  | 10.12(1)           | One rain shelter must be prepared as per the plan.  | Six months            |
| 18  | 10.12(2)           | Anti-venom serum should be procured and kept in zoo premises.   | Three 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.

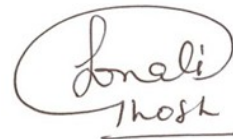
6. The renewal of recognition of the Gharial Research and Conservation Unit, Tikarpada for period beyond August 19, 2021 as a Mini Zoo would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

7. The recognition of the Gharial Research and Conservation Unit, Tikarpada 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 Additional Chief Secretary to the Government of Odisha, Department of Forests and Environment, State Secretariat, Sachivalaya Marg, Bhubaneswar – 751 001, Odisha, E-mail: fsec.or@nic.in , efsec.od@nic.in [Zoo Operator of the Gharial Research and Conservation Unit, Tikarpada, under Rule 2(m)(III) of the Recognition of Zoo Rules, 2009]
2. The Divisional Forest Officer, Satkosia Wildlife Division and Officer in-charge, Gharial Research and Conservation Unit, Tikarpada, District Angul, Odisha, E-mail: dfosatkosiawl@gmail.com
3. The DPA, O/o CZA – to update database and to upload on official website of the CZA.

**sd/-**  
**(Sonali Ghosh)**  
**Dy Inspector General Of Forest**



भारत सरकार  
Government of India

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय  
Ministry of Environment, Forest & Climate Change



केंद्रीय चिड़ियाघर प्राधिकरण  
Central Zoo Authority

REGISTERED POST

By Post / E-mail

F. No. 19-46/93-CZA(200)(NS)/55/2019

Date : 09.01.2019

To,

The Divisional Forest Officer,  
Satkosia Wildlife Division,  
Angul- 759 143. Odisha.  
E-mail: dfosatkosiaawl@yahoo.co.in

**Sub:-** Renewal of recognition of the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha, for period beyond 18.05.2018 under Section 38H(1) of the Wild Life (Protection) Act, 1972 – reg.

**Ref:-**

1. This office letter F. No. 19-46/93-CZA(200)(BKG)/1119/2017, dated 16.06.2017.
2. Office letter no. 3083, dated 04.06.2018 from the DFO, Satkosia Wildlife Division.
3. Office email, dated 09.08.2018 from the DFO, Satkosia Wildlife Division

Sir,

Reference is invited to above cited correspondences. It is to inform that the evaluation of Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha was carried out by Mr. T. Ajay Kumar, EMA, Central Zoo Authority on 24.07.2018. The evaluation report of the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha was considered by the Technical Committee in its 86<sup>th</sup> Meeting held on 28.09.2018. After detailed deliberations, the Technical Committee recommended to the CZA for renewal of recognition of the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha for a period of one year. A copy of the evaluation report as submitted by the evaluating officer is enclosed with this letter for your perusal and needful action.

The recommendations of the 86<sup>th</sup> meeting of the Technical Committee held on 28.09.2018 were placed before the Central Zoo Authority in its 32<sup>nd</sup> Meeting held on 19.11.2018. The members approved the recommendation of the Technical Committee and decided to grant renewal of recognition to the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha under Section 38H(1) of the Wild Life (Protection) Act, 1972 and to regularise the period after 18.05.2018

The renewal of recognition to the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha as a "Mini Category Zoo" as per the provisions of Section 38H(1) of the Wild Life (Protection) Act, 1972 is for a period up to 28.09.2019 subject to the compliance of the following directives under the **Recognition of Zoo Rules (RZR), 2009** and mid-term evaluation:-

-1-

Cont...



| Sl.   | Norm No. under RZR 2009 | Particulars of suggestions/recommendation  | Time period to comply |
|---|-------------------------|--|-----------------------|
| <b>1. General requirements</b>                |                         |  |                       |
| 1   | 10.1(5)                 | Existing fence on the perimeter of the Zoo is found ineffective. It should be strengthened and height should be raised to two meter from ground level on both sides.   | Six months            |
| 2   | 10.1(6)                 | Zoo personnel observed residing within the Zoo premises. No residence is permitted within the Zoo premises. It should be stopped henceforth. Else, the residential area should be separated from the Zoo by a two meter high wall with independent entry / exit.   | Immediately           |
| 3   | 10.1(7)                 | Solid waste generated from the zoo is being burnt on the zoo campus behind the animal enclosures. It should be stopped and efficient practices of waste management should be adopted with least environmental impact.  | Immediately           |
| 4   | 10.1(9)                 | Stray dogs found entering the Zoo premises. The Zoo Operator should prevent entry of stray animals in to the zoo.  | Immediately           |
| <b>2. Administrative and staffing pattern</b> |                         |  |                       |
| 5   | 10.2(1)                 | The zoo should post an officer of appropriate rank as "whole time in-charge" of the zoo with adequate administrative and financial powers to take decision and ensure that adequate 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 so as to fulfil the goals and objectives.  | Six months            |
| 6   | 10.2(2)                 | Presently, the Range Officer, Forester, Forest Guard are managing the GRACU, Tikarpada in addition to their other duties assigned by the Division with the support of 1 Animal Keeper and 10 Gharial Watchers. The Veterinarian providing services in the GRACU, Tikarpada is on deputation from the AHD common for the Satkosia Tiger Reserve and the GRACU, Tikarpada. Action be initiated to appoint full time Biologist, Veterinary Officer and curatorial staff exclusively for the Gharial Research and Conservation Unit, Tikarpada for day today monitoring of the reptiles and 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. It is to be noted that the GRACU, Tikarpada has Zoo, Rescue Centre and Conservation Breeding Centre housing endangered species. The recruitment rule for above posts should provide for their career progression including the benefit of flexible complementing scheme for their promotions. | Six months            |

| 3. Development and Planning |         |   |               |
|-----------------------------|---------|---|---------------|
| 7                           | 10.3(1) | During evaluation and on interaction with the Assistant Conservator of Forests, it is observed that the Gharial Research and Conservation Unit, Tikarpada is operating as a Mini Zoo, Rescue Centre and Conservation Breeding Facility. However, except one pool designated as Quarantine Pool housing two Gharials under treatment, rest all facilities are on display to visitors. On perusal of records produced, the wild animals acquired by way of rescue are put on display to visitors. The Operator of the facility should finalise the mode of operation and submit a detailed Master Plan for approval of the Central Zoo Authority. | Three months. |
| 8                           | 10.3(3) | It is observed that the construction of new enclosures for endangered species is under progress adjacent to the Gharial Research and Conservation Unit, Tikarpada within the Satkosia Tiger Reserve. Infrastructure should be created in a zoo only after approval of the Master Plan by the Central Zoo Authority. As a first step, the Zoo Operator should finalise the Master (Layout) Plan and submit for approval of the Central Zoo Authority.  | Three months. |
| 9                           | 10.3(3) | The zoo operator should clearly allocate separate area for display of animals to visitors and area for purpose of conservation breeding. The conservation breeding zone may not be kept open and accessible to visitors. Accordingly, display enclosures of dimension prescribed under the rules should be designed for turtles, Gharials and Mugger. The enclosure should be safe and secure for the animals, animal keepers and the visitors and has requisite space for free movement, exercise and expression of natural behaviour by the animals. It should be clearly earmarked in the Master (Layout) Plan of the Zoo.                   | Three months  |
| 10                          | 10.3(6) | The zoo operator should, in consultation with the Central Zoo Authority, prepare Animal Collection Plan as part of the Master Plan.   | Three months  |
| 11                          | 10.3(7) | The zoo should not accept any rescued animal unless appropriately designed enclosure and upkeep facilities for the animal as well as the facilities for keeping it in isolation during quarantine period exists.  | Immediately   |
| 12                          | 10.3(8) | On perusal of the Animal Stock Register, it is observed that the GRACU, Tikarpada not reported the rescue of Gharial 1 female on 26.08.2015, 1 female in April, 2015 and 10 female in December 2014, one unsexed Mugger in March, 2017, to the Chief Wildlife Warden of the State and the Central Zoo Authority, as mandatory under the Recognition of Zoo Rules. The Zoo Operator should ensure compliance with the Rules.   | Immediately   |

| <b>4. Animal housing, display of animals and animal enclosures</b> |         |  |  |
|--|---------|--|--|
| 13   | 10.4(3) | Tree fell into the Quarantine pool should be removed at the earliest and should ensure that no stray animal enters the zoo from adjoining village of Tikarpada.  | Immediately                              |
| 14   | 10.4(7) | Adequate screening should be provided between adjacent enclosures to safeguard against the animals getting unduly excited or stressed due to visibility of animals housed in adjacent enclosures. This may be done by means of plantation.   | Six months                               |
| 15   | 10.4(8) | The Operator of the GRACU, Tikarpada after approval of the Master Layout Plan, should submit design of enclosures for endangered species for approval of the Central Zoo Authority. The design of enclosures for endangered species presently under construction should be submitted for post-facto approval. The work in the initial stages should be stopped till approval is obtained from the CZA. | Six months                               |
| 16   | 10.4(9) | The stand-off barriers erected in the Zoo should be strengthened as per specification of the CZA (75 cm height and 150 cm width) and hedge plantation should be raised between the iron railing and the enclosure barrier.   | Three months                             |
| <b>5. Upkeep and healthcare of animals</b>                         |         |  |  |
| 17   | 10.5(2) | Diet schedule of animals housed in the Zoo should be prepared and implemented in consultation with the consultant Veterinarian as per the recommended guidelines titled 'Standardization of Diet for Indian Zoo Animals' and the same should be implemented.   | Immediately                              |
| 18   | 10.5(5) | Polythene bags leftover near the Gharial pools should be removed and the animal enclosures should be cleaned and disinfected regularly by preparing a Disinfection Schedule.   | Immediately                              |
| 19   | 10.5(6) | It is observed that observation of the consultant Veterinarian is recorded once in few months. The Zoo Operator should ensure that a fulltime Veterinary Officer is deputed in the GRACU, Tikarpada as the facility has Zoo, Rescue Centre and Conservation Breeding Centre housing endangered species.  | Six months.                              |
| 20   | 10.5(8) | The zoo animals should be screened for parasitic loads as per written schedule prepared by the zoo in consultation with the consultant Veterinarian.   | Immediately                              |
| 21   | 10.5(8) | Schedule for vaccination, de-worming and other prophylactic measures for animals housed in the Zoo should be prepared in consultation with the Veterinarian and should be implemented.   | Immediately                              |
| 22   | 10.5(9) | None of the Zoo personnel involved in upkeep and healthcare of captive wild animals are screened against zoonotic diseases. The screening should be carried out.   | Immediately and subsequently once a year |

|   |                      |   |              |
|---|----------------------|---|--------------|
| 23  | 10.5(10)             | It is observed that the Keeper's Diary, Daily Reports, Animal History Cards and Treatment Cards are not being maintained in the GRACU, Tikarpada. The zoo should maintain detailed records of observations of biological and social behaviour and health status of the animals including feed intake, medication and treatment provided, as per standards specified by the Central Zoo Authority. | Immediately  |
| <b>6.Veterinary and infrastructure facilities</b>         |                      |   |              |
| 24  | 10.6(1)(c) & 10.6(3) | Presently, the Zoo does not have a Treatment Room. Also, adequate animal restraint equipment is not available. A Treatment Room with basic facility to treat captive animals should be developed in the Zoo.  | Six months   |
| 25  | 10.6(3)              | The Range Office has four wooden cages meant for transport of crocodiles. Appropriate arrangement should be made to transport and release the animals as per the protocol published by the Central Zoo Authority and the IUCN.  | Three months |
| <b>7.Post-mortem and disposal of carcasses of animals</b> |                      |   |              |
| 26  | 10.7(3)              | It is observed that the reason for death of Gharial on 25.04.2017 was inconclusive. Reason for death is recorded 'May be due to Tuberculosis'. However, no further diagnosis is carried out. The Zoo Operator should ensure that diagnosis is done in case of inconclusive report on post-mortem examination.   | Immediately  |
| <b>9.Acquisition and breeding of animals</b>              |                      |   |              |
| 27  | 10.9(8)              | The zoo should maintain the Animal History Cards & Stud Book for all endangered species housed in the zoo and put appropriate identification marks in order to prevent inbreeding and the loss of heterozygosity, and to transfer or exchange animals with other zoos.  | Three months |
| 28  | 10.9(10)             | From Records produced during evaluation, it is observed that a Muggler escaped from the Zoo in March 2017. The zoo should put in place effective measures to safeguard against escape of the zoo animals from the premises of the Zoo.  | Immediately  |
| <b>11.Education and outreach activities:</b>              |                      |   |              |
| 29  | 10.11(1)             | The zoo should prepare Annual Calendar of educational activities and document the same.   | Six months   |
| <b>12.Visitors facilities</b>                             |                      |   |              |
| 30  | 10.12(1)             | The zoo should provide adequate civic facilities for visitors at appropriate and convenient places in the zoo, including for physically disadvantaged persons and such facilities should be so located that they do not mask or impact the view of enclosures.  | Six months   |

|  |          |  |   |
|--|----------|--|---|
| 31   | 10.12(2) | The life saving drugs including Snake anti-venom should be made available within the Zoo premises. On the day of evaluation, one of the worker involved in construction activity was bitten by a snake and had to be rushed to Hospital far way. Besides, fulfilment of statutory provision in the Recognition of Zoo Rules, presence of anti-venom serum will equip the Zoo to deal with the emergency. Also, the Zoo can cater to the needs to adjoining village inside the Tiger Reserve. | Immediately   |
| 32   | 10.12(3) | The zoo should make arrangements for providing access to the handicapped persons for viewing wild animals at various animal enclosures by providing ramps.   | Six months  |
| <b>Rule 11. Maintenance of Records and submission of inventory</b> |          |  |   |
| 33   | 11(1)    | The Zoo though housing endangered species, is not submitting Quarterly Inventory of animals to the Central Zoo Authority. It should be submitted promptly.   | Within 15 days of the end of Quarter  |
| 34   | 11(2)    | The Zoo operator did not submit the Annual Report in prescribed form to the Central Zoo Authority for year 2017-18. It should be submitted.  | Immediately for 2017-18 and subsequently by 30 <sup>th</sup> June every year. |

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 Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha for period beyond 28.09.2019 as a "Mini Category Zoo" would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

The recognition to the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha 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 sincerely

Encl. As above

Evaluation Report

*Anup Kumar Nayak*  
(Dr. Anup Kumar Nayak)  
Member Secretary

Copy to:-

1. The Additional Chief Secretary, Department of Forest & Wildlife, Government of Odisha, Secretariat, Bhubaneswar-751001 (Odisha). Email: fsec.or@nic.in
2. The Chief Wildlife Warden, Department of Forest and Environment, Government of Odisha, Prakruti Bhawan, 5th Floor, BDA Apartment, Nilakantha Nagar, Nayapalli, Bhubaneswar- 751 012. (Odisha). Email: odishawildlife@gmail.com
3. The DPA, CZA – to update database.



Recognized



39



MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Central Zoo Authority

केन्द्रीय चिड़ियाघर प्राधिकरण

F. No. 19-46/93-CZA(200)(BKG) / 1119 / 2017

Date: 16.06.2017

To,

Divisional Forest Officer  
Satkosia Wildlife Division  
Angul 759 122  
(Odisha) Email dfosatkosiawl@yahoo.co.in

**Subject: Grant of renewal of recognition to Gharial Research and Conservation Centre (GRACU), Tikarpada, Odisha under Section 38 H of the Wildlife (Protection) Act, 1972 beyond the period of 30.04.2017**

**Reference: 1. Your office letter No. 1160, dated 18.03.2017**  
**2. This office Show Cause Notice No. 19-46/93-CZA(AK)/755/2017, Dated: 06.04.2017**  
**3. Your office reply to the Show Cause Notice No. 1845, dated 29.04.2017**

Sir,

Reference is invited to the above cited correspondence. It is to inform that the reply submitted by you to the Show Cause Notice issued by this office vide aforesaid cited letter at S. No. 2 was considered by the Technical Committee in the 83<sup>rd</sup> meeting held 19<sup>th</sup> May, 2017.

The Technical Committee of the Central Zoo Authority has decided to grant conditional renewal of recognition under Section 38H of the Wild Life (Protection) Act, 1972 of the Gharial Research and Conservation Centre (GRACU), Tikarpada, Odisha as a "Rescue Centre" for a period up to 18<sup>th</sup> May, 2018 subject to compliance of the following directive under Recognition of Zoo Rules, 2009. The Technical Committee also regularised grant of recognition period between 30.04.2017 and 19.05.2017.

| S. No | Norm No. | Violation of Recognition of Zoo Rules, 2009   | Time period to rectify |
|-------|----------|---|------------------------|
| 1     | 10.1 (6) | Presently, Animal Keeper is residing in the Interpretation Centre which is not in use. The animal keeper's accommodation should be removed from erstwhile interpretation centre and outside the zoo campus. The Forest Rest House and other residential facilities within the zoo campus should be separated from the zoo by a boundary wall with a minimum height of two meters from the ground level. The entry to the residential facilities including Forest Rest House should not be through the zoo premises. | With immediate effect  |
| 2     | 10.1(7)  | The zoo should carry out operations of the zoo in a manner that causes minimum stress on natural resources and produces the minimum of solid wastes and effluents. The zoo shall also endeavour to put in place the practices of effective waste management through reducing, reusing and recycling and disposing the effluents and the solid wastes in a manner without causing adverse environmental impact on River Mahanadi.  | With immediate effect  |

Contd...2

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

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

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|    |            |  |                       |
|----|------------|--|-----------------------|
| 3  | 10.2(1)    | The zoo should post an officer of appropriate rank as "whole time in-charge" of the zoo with adequate administrative and financial powers to take decision and ensure that adequate 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 so as to fulfil the goals and objectives.  | Six months            |
| 4  | 10.2(2)    | The zoo should post a full-time Biologist & Education officer 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. The recruitment rule for above posts should provide for their career progression including the benefit of flexible complementing scheme for their promotions.   | Six months            |
| 5  | 10.3(1)    | The zoo operator should have submitted a Master Plan for approval of the Central Zoo Authority by November, 2010. However, the same has not been complied with till date. While preparing the Master Layout Plan, the zoo authorities should clearly demarcate area for display of animals and for their conservation breeding.  | Three months          |
| 6  | 10.4(7)    | Adequate screening should be provided between adjacent enclosures to safeguard against the animals getting unduly excited or stressed due to visibility of animals housed in adjacent enclosures.  | One month             |
| 7  | 10.4(9)    | The zoo should provide appropriately designed and effective stand-off barriers at every animal display enclosure to regulate the movement of visitors in the zoo in a manner that facilitates the visitors in getting unobstructed view of wild animals, without reaching in the vicinity or proximity of the animals and getting the opportunity to physically touch or provoke the animals. Warning sign boards should be provided for visitors to maintain safe distance from enclosures. | Three months          |
| 8  | 10.5(8)    | The zoo animals should be screened for parasitic loads as per written schedule prepared by the zoo in consultation with the visiting veterinary officer and prophylactic medicines administered as per clinical requirements. Vaccination of animals against infectious diseases, if required, should also be done, as per the schedule prescribed by the Veterinary Officer from time to time.  | With immediate effect |
| 9  | 10.5(10)   | The zoo should maintain 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.   | With immediate effect |
| 10 | 10.5(10)   | The zoo should put in place effective measures to safeguard against escape of the zoo animals from the premises of the zoo during monsoonal flood period.  | With immediate effect |
| 11 | 10.6(1)(C) | A treatment room with all diagnostic facilities should be constructed in the zoo.  | One year              |

|    |             |   |                                  |
|----|-------------|---|----------------------------------|
| 12 | 10.7        | (1) Every animal that die in the zoo should be subjected to a detailed post-mortem examination by a registered veterinarian to determine conclusively the cause of the death.<br>(2) The findings of the post-mortem examination referred to above shall be recorded in such format as prescribed by Central Zoo Authority and in this regard and shall be maintained for a period of not less than six years | With immediate effect            |
| 13 | 10.9<br>(3) | The zoo should house and maintain the animals in its collection in socially and behaviourally viable groups. No animal shall be separated from the group unless doing so is necessary for the security and welfare of the animal or other animals in the group and the animals, so separated, shall be housed in accordance with standards specified by the Central Zoo Authority in this regard.             | Six months                       |
| 14 | 10.9<br>(4) | The zoo should acquire mates for singly housed Indian flap shell turtle and Indian roofed turtle.   | Six months                       |
| 15 | 10.9<br>(8) | The zoo should maintain the Animal History Cards & Stud Book for all endangered species housed in the zoo and put appropriate identification marks in order to prevent inbreeding and the loss of heterozygosity, and to transfer or exchange animals with other zoos.  | Three months                     |
| 16 | 11(2)       | Zoo operator should submit an Annual Report of activities taken up in the zoo and compliance of the conditions stipulated by CZA for each financial year to the Central Zoo Authority.  | Till 30 <sup>th</sup> July, 2017 |

Following are the recommendations made by the evaluating officer:

| S. No | Norm No. | CONDITIONS   | Time required to comply |
|-------|----------|--|-------------------------|
| 1     | 10.1(1)  | The zoo should endeavour to establish and sustain population of physically, genetically and behaviorally healthy Gharials ( <i>Gavialis gangeticus</i> ), Muggers ( <i>Crocodylus palustris</i> ), Indian roofed turtle ( <i>Pangshura tecta</i> ) and Indian flap-shell turtle ( <i>Lissemys punctata</i> ) for furthering the cause of conservation of the species and communicating credible conservation message to the visitors through their display in naturalistic settings. | One year                |



|    |         |   |                       |
|----|---------|---|-----------------------|
| 5  | 10.3(3) | Once, the Master Plan is submitted to and approved by the CZA, the zoo operator should carry out proper landscaping of the land immediately lying between the current gate and souvenir corner/tower, so as to provide the visitors a place for rest upon entry into the campus and a feel of communion with nature prior to their visit to animal enclosures. The visitor's entry should be accordingly regulated at the entrance near the Souvenir corner/ tower by providing suitable gate / barriers and ticketing booths with parking and cloak room facility. Access to the Forest Rest House (FRH) should also be regulated from a separate gate, and both FRH and zoo campus should be separated by a perimeter wall of minimum two meter high from the ground level. The zoo operator should clearly allocate separate area for display of animals to visitors and area for purpose of conservation breeding. The conservation breeding zone may not be kept open and accessible to visitors. Accordingly display enclosures of dimension prescribed under the rules should be designed for turtles, Gharials and Mugger. The enclosure should be safe and secure for the animals, animal keepers and the visitors and has requisite space for free movement, exercise and expression of natural behaviour by the animals. | One year              |
| 6  | 10.3(6) | The zoo operator should, in consultation with the Central Zoo Authority, prepare a Collection Plan 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 wellbeing of the species, availability of the 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 shall not compromise on housing and upkeep standards of animals for accommodating new species or additional, animals of the species in its collection.   | Three months          |
| 7  | 10.3(7) | The zoo should not accept any rescued animal unless appropriately designed enclosure and upkeep facilities for the animal as well as the facilities for keeping it in isolation during quarantine period exists.  | With immediate effect |
| 10 | 10.5(2) | The responsibility to take care of upkeep and feeding of the zoo animals should be assigned to an official who is properly qualified and experienced in the matter.   | Three months          |
| 11 | 10.5(7) | The Zoo Biologist should keep a close watch on the general behaviour and health parameters of the zoo animals.  | Three months          |

|    |              |   |            |
|----|--------------|---|------------|
| 19 | 10.11<br>(1) | The zoo should endeavour to educate the visitors to the zoo and the people at large about the significance of wildlife conservation for the general wellbeing of the people and keeping the life support system of nature intact through organising conducted visits of school, college students, organising wildlife week and regular nature film shows on contribution of GRACU in conservation of river Mahanadi in the past and establishment of wildlife sanctuaries and institutions. | Six months |
| 20 | 10.12<br>(1) | The zoo should provide adequate civic facilities for visitors at appropriate and convenient places in the zoo, including for physically disadvantaged persons and such facilities should be so located that they do not mask or impact the view of enclosures.  | Six months |
| 21 | 10.12(1)     | The zoo should make arrangements for providing access to the handicapped persons for viewing wild animals at various animal enclosures by providing ramps.  | Six months |

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 Gharial Research and Conservation Centre (GRACU), Tikarpada, Odisha for period beyond 18<sup>th</sup> May, 2018 as a "Rescue Centre" would be considered on the basis of compliance of the conditions stated above and general performance of the Zoo.

The recognition of the Gharial Research and Conservation Centre (GRACU), Tikarpada, Odisha 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 sincerely,



(Dr. D. N. Singh)  
Member Secretary

**Copy for information and necessary action to:**

1. The Chief Wildlife Warden, Department of Forest and Environment, Government of Odisha, 5<sup>th</sup> Floor, BDA Apartments, Prakruti Bhawan, Nilakantha Nagar, Nayapalli, Bhubaneswar 751 012 (Odisha). Email odishawildlife@gmail.com
2. ✓ DPA, CZA – to update database





GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE

**Central Zoo Authority**



F. No. 19-46/93-CZA(200)(NS) / 6988

DATE: 17.04.2015

To

The Divisional Forest Officer  
Satkosia Wildlife Division,  
Hakimpada,  
Distt. Angul- 759 143 (Odisha)

**Sub:- Renewal of recognition to Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha under Section 38H of the Wild Life (Protection) Act, 1972 beyond the period of 30.09.2014- Reg.**

Sir,

The evaluation of the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha was carried out by Sh. B.G. Mugadur on 29.11.2014. The Mid-term evaluation report of Bhagwan Birsa Biological Park, Ranchi, Jharkhand as submitted by the evaluating officer was considered by the Technical Committee in its 73<sup>rd</sup> Meeting of Central Zoo Authority held on 10<sup>th</sup> March 2015.

The Central Zoo Authority has decided to grant recognition to Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha under Section 38H of the Wild Life (Protection) Act, for a period up to 30.04.2017 subject to the compliance of the following directives under the Recognition of Zoo (Amendment) Rules, 2013 and mid-term evaluation of the zoo:-

| S. No.                         | Norm No. | Condition Stipulated   | Time Period to Comply |
|--------------------------------|----------|--|-----------------------|
| <b>1. General Requirements</b> |          |  |                       |
| 1                              | 1(5)     | The proposed fencing of 2 meter height from ground level on both sides of the park all along the bye pass road to be taken up on top priority against entry by wild animals and poachers. Simultaneously clearance of fire lines against possible entry of fire during summer season should be taken up besides engaging fire watchers exclusively to the park during peak season. | Six months            |

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2. Administrative & staffing patterns

|   |      |  |              |
|---|------|--|--------------|
| 4 | 2(2) | Action be initiated to appoint full time officer-in-charge, Biologist, Veterinary officer exclusively for the Gharial Research and Conservation unit Tikarpada for day today monitoring of the reptiles. | Three months |
|---|------|--|--------------|

4. Animal housing, display of animals and animal enclosures

|   |      |   |            |
|---|------|---|------------|
| 5 | 4(2) | The dimension of the Gharial pool at present is not suitable for conservation breeding for Gharial. One or two pools of size 12.90 X 7.50 meters to be constructed with proper slope and gradual depth of water at least 3 to 4 meters. Provision of sand bed for basking and creating greenery around the pool as if they are in the natural habitat is another important aspect. Cage top should be closed. | Six months |
|---|------|---|------------|

11. Education and outreach Activities

|   |       |   |  |
|---|-------|---|--|
| 6 | 11(1) | <p>a. The article of souvenir shop shall have Gharial symbol (T. Shirts, Glassware etc.) with Gharial emblem in addition to the present one. The centre is meant to create awareness of Gharial-a threatened species in the wild in Mahanadi Eco-System.</p> <p>b. In addition to the present signboards, warning boards be displayed in strategic points painted with yellow background and letters with red paint in regional language against teasing of animals, illegal fishing, kindling in the forests. etc.</p> | <p>Three months</p> <p>With immediate effect</p> |
|---|-------|---|--|

| S. No. | Other observations  | Time Period to Comply |
|--------|---|-----------------------|
| 1.     | Immediate action needed to construct two fish tanks of various sizes to breed and store live fish of various size to feed Gharials. Also there is urgent need of pumpset and generator for continuous supply of water to the captive animals. | Six months            |

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

Grant of recognition to Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha beyond 30.04.2017 would be considered on the basis of compliance of the condition stated above and general performance of the zoo.

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The recognition to the Gharial Research and Conservation Unit (GRACU), Tikarpada, Odisha shall be revoked by the Central Zoo Authority, at any point of time if the Gharial Research and Conservation Unit Operator is found not complying with the stipulated conditions.

Yours faithfully,

  
17.4.15  
(Vinod Ranjan)  
Member Secretary

**Copy to:-**

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

  
17.4.15  
(Vinod Ranjan)  
Member Secretary





जहाँ है हरियाली।  
वहाँ है खुशहाली।।



GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS

## Central Zoo Authority



**THROUGH REGISTERED POST**

F. No. 19-46/93-CZA(200)(M) / 9917

DATE: 21.02.2013

To

The Divisional Forest Officer  
Satkosia Wildlife Division,  
Hakimpada,  
Distt. Angul – 759 143 (Odisha)

**Sub:- Grant of renewal of recognition to the Gharial Research and Conservation Unit at Tikarpada beyond the period of 30<sup>th</sup> September 2012 under Section 38H of the Wild Life (Protection) Act, 1972.**

Sir,

Reference is invited to your letter No. 3628 dated 16.08.2012 seeking renewal of recognition to the Gharial Research and Conservation Unit at Tikarpada beyond the period of 30<sup>th</sup> September 2012 under Section 38H of the Wild Life (Protection) Act, 1972.

The evaluation of the Gharial Research and Conservation Unit at Tikarpada was carried out by Sh. Bipul Chakrabarty on 7<sup>th</sup> & 8<sup>th</sup> January 2013. The evaluation report of the Gharial Research and Conservation Unit at Tikarpada as submitted by the evaluating officer was considered by the Technical Committee in its 64<sup>th</sup> Meeting held on 5<sup>th</sup> February 2013.

The Central Zoo Authority has decided to grant of recognition to the Gharial Research and Conservation Unit at Tikarpada as "a Mini Category Zoo" under Section 38H of the Wild Life (Protection) Act, for a period up to 30<sup>th</sup> September 2014 subject to the compliance of the following directives under the Recognition of Zoo Rules, 2009 and mid-term evaluation of the zoo:-

| S. No.                             | Norm No. | Condition Stipulated  | Time Period to Comply |
|------------------------------------|----------|---|-----------------------|
| <b>3. Development and Planning</b> |          |   |                       |
| 1.                                 | 3.1      | The Zoo Operators are required to immediately prepare a long-term Master Plan with emphasis to display fauna of Mahanadi river system in suitably designed enclosures, which are aesthetic as well as meet the biological requirement of the animals and also comply with specifications required to construct such enclosures on river embankments. A Layout Plan and Collection | With immediate effect |

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22 FEB 2013



|  |        |   |                       |
|--|--------|---|-----------------------|
|  |        | Plan on these lines need to developed and submitted to Central Zoo Authority.   |                       |
| 2.   | 3 (2)  | Till the Master Plan get approved, the Zoo Operators may continue to follow the guidelines for upkeep of animals as required under the Recognition of Zoo Rules, 2009.  |                       |
| <b>4. Animal housing, display of animals and animal enclosures</b> |        |   |                       |
| 3.   | 4 (10) | The Zoo is a heritage facility being the first crocodile breeding centre under Crocodile Project of Government of India and progenitor of Satkosia Wildlife Sanctuary. These facts are required to be highlighted with proper signages at the newly created interpretation centre. Models representing the method of rearing crocodiles and turtles in captivity could also be kept in the interpretation centre for visitor awareness. | With immediate effect |

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

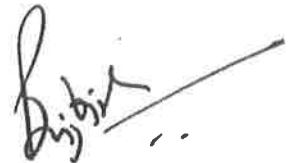
Grant of recognition to the Gharial Research and Conservation Unit at Tikarpada beyond 30<sup>th</sup> September 2014 as "a Mini Category Zoo" would be considered on the basis of compliance of the conditions stated above and general performance of the zoo.

The recognition to the Gharial Research and Conservation Unit at Tikarpada 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. S. Bonal)**  
**Member Secretary**

Copy to:-

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



**(Dr. Brij Kishor Gupta)**  
**Evaluation and Monitoring Officer**

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वहाँ है खुशहाली ॥



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

SPIT 10051



**BY REGISTERED POST**

**F. No. 19-46/93-CZA(200)(M)**

**DATE: 22.09.2009**

To

The Divisional Forest Officer  
Satkosia Wildlife Division,  
Hakimpada,  
Distt. Angul – 759 143 (Orissa).

**Sub:- Grant of renewal of recognition to the Gharial Research and Conservation Unit at Tikarpada beyond the period of 31.12.2007 under Section 38H of the Wild Life (Protection) Act, 1972 - Regarding.**

Sir,

Reference is invited to your office letter No. 3727 dated 30.10.2007 seeking grant of renewal of recognition to the Gharial Research and Conservation Unit at Tikarpada beyond the period of 31.12.2007 under Section 38H of the Wild Life (Protection) Act, 1972.

The evaluation of the Gharial Research and Conservation Unit at Tikarpada was carried out on 10.06.2009 by Sh. A. Bhattacharjee, Assistant Director, Zoological Garden, Alipore. The evaluation report submitted by the evaluating officer was considered by the Technical Committee in its 51<sup>st</sup> Meeting held on 23<sup>rd</sup> July, 2009.

The Central Zoo Authority has decided to grant renewal of recognition to the Gharial Research and Conservation Unit at Tikarpada as a mini category Zoo under Section 38H of the Wild Life (Protection) Act, for a period up to 30<sup>th</sup> September, 2012 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 |
|----------------|-------------------|--|--------------------------------------|
| <b>General</b> |                   |  |                                      |
| 1.             | 8                 | The zoo shall be encompassed by an appropriate barrier/ chain-link fence of atleast of 2 meter high from the ground level. | Six months                           |

*De*  
*23/9/09*  
Bikaner House, Annexe VI, Shahjahan Road, New Delhi-110011

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|  |     |   |                          |
|--|-----|---|--------------------------|
| 2.   | 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.  | Six months               |
| <b>Animal enclosures – Design, Dimensions and other Essential Features</b> |     |   |                          |
| 3.   | 15  | The animal enclosure for Mugger, Terrapin and Gharial should be provided with stand off barrier to keep the visitors at the safe distance from the animals. Adequate warning signs should also be provided in local language as well as in Hindi and English.   | Three months             |
| 4.   | 16  | (i) The area provided for housing the Muggers should be increased and provided as per the norms laid under Recognition of Zoo Rules, 1992. The size of the pool should also be increased appropriately.<br>(ii) The ware netted covering provided to the Gharials should be removed and the area of the enclosure and the pool should be increased keeping in view of the guidelines circulated by the Central Zoo Authority. | One year<br><br>One year |
| 5.   | 17  | The Zoo Operator shall endeavour to simulate the conditions of the natural habitat of all the animals housed in each enclosure as closely as possible. Planting of appropriate endemic species of trees for providing shade and shelter, which merge in the overall environment of the enclosures, shall be provided.   | Six months               |
| <b>Hygiene, Feeding and Upkeep</b>   |     |   |                          |
| 6.   | 21  | The Zoo Operator should ensure that each Crocodile housed at the Zoo should be provided with sufficient quantity of feed according to the requirement to the individual animals so that no animal remains under nourished. The each Crocodile should be provided atleast 45 Kgs. fishes/ beef per year.   | With immediate effect    |
| 7.   | 25  | The zoo should have periodic application of disinfection in each enclosure as per the direction of the veterinary officer of the zoo.   | With immediate effect    |
| <b>Animal care, health and treatment</b>                                   |     |   |                          |
| 8.   | 28  | The zoo should carryout routine examination including parasitic check for all the animals housed at the zoo under the guidance of veterinary officer.   | With immediate effect    |

|  |    |   |                       |
|--|----|---|-----------------------|
| 9.   | 29 | The zoo operator should also arrange for medical checkup of the staff responsible for upkeep of animals atleast once in a every six months to ensure that they do not have any infections of such diseases that may effect the zoo animals.   | With immediate effect |
| <b>Veterinary Facilities</b>   |    |   |                       |
| 10.  | 33 | The zoo should have a treatment room in the premises of the zoo where routine examination of animal can be undertake and immediate treatment can be provide if required.  | Six months            |
| 11.  | 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.   | With immediate effect |
| <b>Maintenance of Records and submission of Inventory to the Central Zoo Authority</b> |    |   |                       |
| 12.  | 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 <sup>st</sup> March of every year should be to the Central zoo Authority by 30 <sup>th</sup> April of the same year.  | With immediate effect |
| 13.  | 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 <sup>th</sup> 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.         | With immediate effect |
| <b>Education and Research</b>  |    |   |                       |
| 14.  | 45 | (i) The signages should be upgraded as at present there are signages on the animals of the unit in which only common English names have been mentioned.<br>(ii) Signages should also be prepared on the history of establishment of the unit.<br>(iii) Signages should be prepared to aware the visiting public about the fresh water reptilians of Mahanadi of Satkosia Wildlife Division.<br>(iv) More warning signages should be provided in the unit. | Three months          |

| <b>Visitors Facility</b>        |    |   |   |
|---------------------------------|----|---|---|
| 15.                             | 50 | The Zoo Operator should provide access to the zoo for disabled visitors including those in the wheel chair.   | Three months  |
| <b>Development and Planning</b> |    |   |   |
| 16.                             | 51 | The Zoo should prepare a long-term Master plan for its development in the format as circulated by the Central Zoo Authority. The copies of the said plan should be submitted to the Central Zoo Authority for its approval. | Revised plan to be prepared and submitted to this office at the earliest keeping in view of the observations communicated by this office. |

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 30<sup>th</sup> September, 2012 to the Gharial Research and Conservation Unit at Tikarpada, Orissa as a 'mini 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 Gharial Research and Conservation Unit at Tikarpada, Orissa shall be revoked by the Central Zoo Authority, at any point in time if the Zoo Operator is found not complying with the stipulated conditions.

**Yours faithfully,**  
**sd/-**  
**(Dr. Rajesh Gopal)**  
**Member Secretary**

Copy for favour of information & necessary action to:-

1. The Chief Wildlife Warden, Government of Orissa, Bhubaneswar.
2. The Conservator of Forests, Angul Circle, Angul.

  
**(Dr. Rajesh Gopal)**  
**Member Secretary**