

Machia Biological Park



Annual Report for the year 2017-18

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1. **Report of the Officer-in-charge** –

The main concept of a modern zoo as defined by the Central Zoo Authority is “to house and display the animals in such a manner that the objectives of wildlife conservation including creation of empathy for wild animals are achieved”. The first phase of development of Machia Biological Park has been completed and same was opened to common public on January 20, 2016. Facilities for primate and birds will be developed at Machia.

Zoo's main role over the years has been community education. In deviation to this role the present report has been drawn up in a manner, that zoo can play an active role in research and breeding of threatened animals and their conservation.

The Machia Biological Park towards western outskirts of Jodhpur city. Due to completion of carnivore and herbivore enclosures at Machia, the carnivore and herbivore animals of old zoo have been shifted at newly made Biological Park, Machia before 20-01-2016. After shifting the Biological Park was opened to common public by the Hon'ble Chief Minister, Govt. of Rajasthan Smt. Vasundra Raje on January 20, 2016.

Birds are still kept in temporary arrange in Machia Biological Park because facilities for them are yet to develop at newly made Biological Park.

The primary mandate of the Machia Biological Park, Jodhpur will be conservation and to supplement the efforts for in-situ conservation of floral & faunal species of Aravali as well as desert ecosystems. Machia Biological Park with large naturalistic enclosures and theme based designs has been developed to meet out the Biological needs of the inmate animals.

Biological diversity is a complex and dynamic ecological relationship between plants, animals and microbes in a biotic community. We need to approach preservation adopting the multilayered ecosystem and biodiversity theme. Zoos are treated as bio-parks to give supremacy to this more meaningful perception.

2. **History of the Zoo** - Machia Biological Park (41 Hec.) is located within Machia forest block. The area of 732.23 hectares of the forest block is fenced with 11.5 km long dry stone masonry wall which was constructed during 1982-83 and 1983-84 under famine relief work. Fencing saved the area from encroachment and further degradation. The area attained identity due to its dry stone wall fencing and it was conceived to be the potential area for ecotourism and therefore subsequently named as “Machia Safari Park”. There are ruins of an old Machia fort at the top of

the hill in the centre of the forest block. The Machia fort was constructed by Maharaja Takhat Singhji of Jodhpur state during 1850 and it was used as a “shikaar camp”. Later on Machia fort was used as temporary jail during India’s freedom struggle and many renowned freedom fighters were also imprisoned in the fort.

The fort is visible from distance and is located on the strategic location on the highest area of the hill. It is approachable through stone paved sloping road. The structures are constructed in traditional Jodhpur architecture. It is constructed with pinkish yellow & brown coloured stone masonry. This fort has been renovated recently by Jodhpur Development Authority.

Before 1982, this area was unfenced and utilized as common grazing lands for livestock. This area was declared as Protected Forest vides notification no. II9 (6) Forest/90 dated 1st July, 1990 by Government of Rajasthan. In January 1992 the area of Machia Safari park was taken over by the Deputy Conservator of Forests (Wildlife) Jodhpur from Divisional Forest Officer, Jodhpur for further development.

3. **Vision –**

Zoos are dynamic entities and will evolve to meet with the conservation needs in future. The conservation during first phase carnivore and herbivore has been shifted in Machia Biological Park on 20th January, 2016. The birds of old zoo have been shifted in temporary made Shelter and empty enclosure of Jangle cat in Machia Biological Park.

In second phase facilities for birds will be developed at Machia and the left out lot of creatures of Aravalli and Desert eco-system will be shifted to display various birds i.e. aquatic, arboreal, and nocturnal in thematic surroundings and provide good interpretation facilities with education and awareness generation programmes for the visitors.

“Primary mandate of Machia Biological Park will be in-situ conservation of floral and faunal species of Aravalli and desert eco-systems. The zoo will not only support the conservation of endangered species but also ensure their congenial habitat and the ecosystem.”

4. **Mission –**

Satellite facility at Machia Biological Park with its large naturalistic enclosures and theme based design is emphasize on conservation of endangered species and native regional species of Aravalli and desert eco-systems providing equal importance to large and small organisms.

The bird enclosures will be developed on theme basis. Sections for perching birds, aquatic birds, Raptors, Desert birds will be developed to depict Aravalli and desert eco-systems. The enclosures will be designed in such away to minimize stress from visitor to the birds.

5. **Objective –**

- To provide best possible viewing opportunities to the visitors without disturbing the zoo animals.
- To Display of important species of Aravalli eco-system, Desert ecosystem in their natural surroundings with some bird's species of wetland ecosystem.
- To Imparting nature education to visitors while maximizing visitor satisfaction
- To Generate employment for local people through eco-tourism
- To Facilitating research on techniques for breeding of endangered and vulnerable local species.
- To provide nature education to the visitors.
- To facilitate breeding of endangered species of Aravalli and desert eco-systems.
- To develop the natural vegetation of the area and increase its aesthetic value.

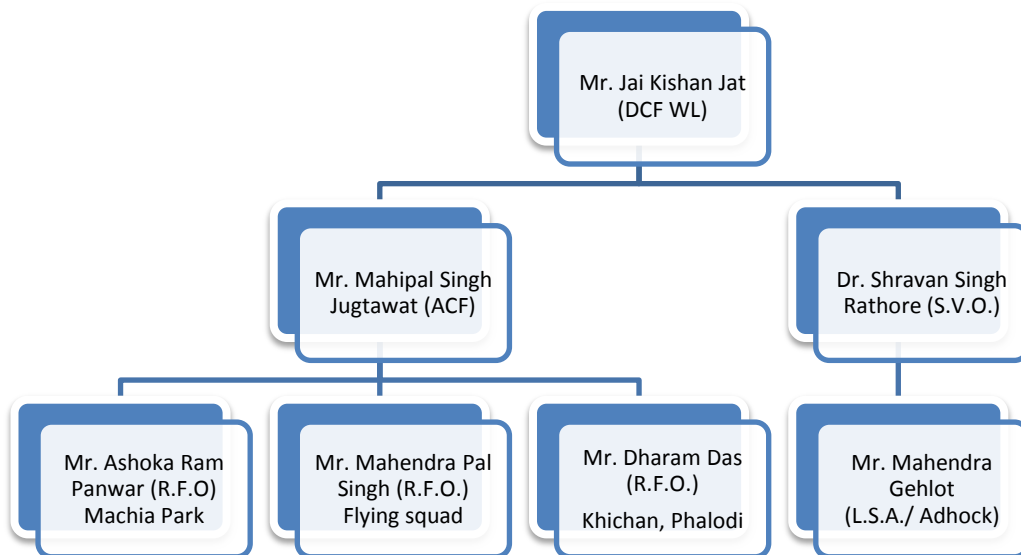
6. About us

| S.No. | Particulars | Information |
|--|-----------------------|--|
| Basic Information about the Zoo | | |
| 1 | Name of the Zoo | Machia Biological Park, Jodhpur |
| 2 | Year of Establishment | 20th January, 2016 |
| 3 | Address of the Zoo | Near kaylana Lake Jodhpur pin code 342008 |
| 4 | State | Rajasthan |
| 5 | Telephone Number | 0291-2980457 |
| 6 | Fax Number | 0291-2980457 |
| 7 | E-mail address | dcfwljdpr@gmail.com/ dcfwl.jdpr.forest@rajasthan.gov.in |

| S.No. | Particulars | Information |
|--|--|--|
| 8 | Website | MACHIA BIOLOGICAL PARK © 2015 |
| 9 | Distance from nearest | Airport: 20 km |
| | | Railway Station: 10 km |
| | | Bus Stand: 15 km |
| 10 | Recognition Valid upto (Date) | 30.04.2018 |
| 11 | Category of zoo | Small |
| 12 | Area (in Hectares) | 41 heqters |
| 13 | Number of Visitors (Financial Year) | Adult : 291890 |
| | | Children : 44938 |
| | | Total Indian : 291890 |
| | | Total Foreigners : 85 |
| | | Total Visitors: 336913 |
| 14 | Visitors' Facilities Available in Zoo | Parking, ticketing, cold RO drinking water and toilets, Cafeteria |
| 15 | Weekly Closure Day of the Zoo | Tuesday |
| Management Personnel of the zoo | | |
| 16 | Name with designation of the Officer in-charge | Mr.Jai Kishan Jat ,deputy conservatore of forest (wildlife) |
| | Name of the Veterinary Officer | Dr.Shravan singh Rathore, |
| | Name of the Curator | A.C.F./ Range forest officer |
| | Name of the Biologist | N.A |
| | Name of the Education Officer | N.A |

| S.No. | Particulars | Information |
|------------------------------------|--|--|
| | Name of the Compounder/ Lab Assistant | Mahendra Gehlot (Contract Skilled Labour) |
| Owner / Operator of the Zoo | | |
| 17 | *Name of the Operator | Forest department govt. of Rajasthan |
| 18 | Address of the Operator | Government of Rajasthan (DCF WL JODHPUR) |
| 19 | Contact details/Phone number of Operator | Land Line – 0291-2980457, 0291-2616422 |
| 20 | E-mail address of Operator | dcfwljdpr@gmail.com, dcfwl.jdpr.forest@rajasthan.gov.in |

7. Organizational Chart



8. Human Resources

Man Power of the Zoo

| S. NO | Designation | Number of Sanctioned Posts | Names of the incumbent |
|-------|---------------------------------------|----------------------------|---------------------------|
| 1 | Deputy Conservator of Forest Wildlife | 1 | Sh. Jai Kishan Jat |
| 2 | Veterinary Officer | 1 | Dr. Shravan Singh Rathore |
| 3 | Assistant Conservator of Forest | 2 | Sh.Mahipal Singh Jugtawat |
| 4 | Assistant Account Officer | 1 | Sh.Mohan Singh Mahela |
| 5 | Office Assistant | 1 | |
| 6 | Range Officer - I | 1 | Sh.Ashoka Ram Panwar |
| 7 | Range Officer - II | 2 | |
| 8 | Zoo Supervisor | 1 | |
| 9 | Forester | 2 | Sh.Babulal Bishnoi |
| 10 | | | Sh.Dharilal Bairwa |
| 11 | Assistant Forester | 3 | Sh.Bhagwan Ram |
| 12 | | | Sh.Mohan Ram Bishnoi |
| 13 | | | Sh.Paras Ram |
| 14 | Senior Assistant | | Sh.Murali Manohar Purohit |
| 15 | Junior Assistant | | Abdul Saleem |
| 16 | Junior Assistant | | Lalit Kumar Bhati |
| 17 | Junior Assistant | | Hari Singh Rathore |
| 18 | Forest Guard | | Mohan Ram Meghwal |
| 19 | Forest Guard | | Banshi lal |
| 20 | Forest Guard | | Bhagirath Latiyal |
| 21 | Forest Guard | | Rohit Balani |
| 22 | Forest Guard | | Bhagwan Das |
| 23 | Forest Guard | | Smt. Sarita Choudhary |
| 24 | Forest Guard | | Smt. Rajesh Yadav |
| 25 | Forest Guard | | Smt. Manohar Kanwar |
| 26 | Forest Guard | | Smt. Annu Panwar |
| 27 | Forest Guard | | Yashpal |
| 28 | Fourth Class | | Smt. Sukhi Devi |
| 29 | Fourth Class | | Smt. Jamna Kanwar |
| 30 | Fourth Class | | Smt. Pappu Gurjar |
| 31 | Fourth Class | | Smt. Rakhi |
| 32 | Fourth Class | | Smt. Chagan Kanwar |
| 33 | Fourth Class | | Smt. Kanchan Kanwar |
| 34 | Fourth Class | | Bhanwar lal |
| 35 | Fourth Class | | Purshottam |
| 36 | Fourth Class | | Urs |
| 37 | Fourth Class | | Majeed khan |
| 38 | Head Care Taker | | Kalla Ram |
| 39 | Care Taker | | Arjun Ram |
| 40 | Care Taker | | Ratan lal |
| 41 | Care Taker | | Bhanwar lal Bheel |
| 42 | Care Taker | | Rajesh Barasa |
| 43 | Cage Cleaner | | Immamudin |
| 44 | Cage Cleaner | | Kalu Ram |
| 45 | Beldar | | Tulcha Ram |
| 46 | Beldar | | Purkha Ram |

| | | | |
|----|----------------|--|----------------|
| 47 | Beldar | | Ghever Ram |
| 48 | Beldar | | Smt. Dariya |
| 49 | Beldar | | Smt. Sita |
| 50 | Beldar | | Smt. Papli |
| 51 | Beldar | | Smt. Kamli |
| 52 | Beldar | | Babulal Dudi |
| 53 | Beldar | | Lumba Ram |
| 54 | Beldar | | Khet Singh |
| 55 | Beldar | | Smt. Maina Rao |
| 56 | Beldar | | Prabhu Ram |
| 57 | Beldar | | Smt. Anchi |
| 58 | Beldar | | Dungar Ram |
| 59 | Beldar | | Sugan Singh |
| 60 | Beldar | | Pappu Ram |
| 61 | Beldar | | Shaitan Singh |
| 62 | Chowkidar | | Vishan Singh |
| 63 | Chowkidar | | Oma Ram |
| 64 | Pump Attendent | | Durga Ram |
| 65 | Cattle Guard | | Madho Singh |
| 66 | Cattle Guard | | Umaram |
| 67 | Cattle Guard | | Amrit lal |
| 68 | Driver | | Bishan Singh |

9. Capacity Building of Zoo personnel

| S. NO | Name and designation of the zoo personnel | Subject matter of Training | Period of Training | Name of the Institution where the Training attended |
|-------|---|---|--------------------|--|
| 1 | Dr. Shravan Singh Rathore | Capacity building of Indian zoovet on animal health management in captivity (New Delhi) | One Week | National Zoological Park New Delhi by CZA New Delhi Oct – 2017 |
| 2 | Mr. Ramratan Bishnoi | Zoo keepers Training “CZA VISION 2030” | One Week | Sakkarbagh Zoo, Junagarh, Gujrat |

10. Zoo Advisory Committee

- Date of constitution –Not Constructed
- Members - N/A
- Dates on which Meetings held during the year - N/A

11. Health Advisory Committee-

- Date of constitution – 20.06.2016
- Members –
 - Dr. Vipin Gupta (Pathologist, RDDDL Jodhpur)
 - Dr. Nilgiri Tiwari (Senior Veterinary Officer Jodhpur)
 - Dr. Subhash Kachawaha, (Subject Metter Specilist CAZARI Jodhpur)
 - Dr. Suresh Jhirwal (Assistant Proffesor RAJUVAS Bikaner)
- Dates on which meetings held during the year – 06.04.2018

12. Statement of income and expenditure of the Zoo

| S.No | Year | Income From Zoo | | Expenditure for Zoo | |
|------|---------|--------------------|-----------------|-------------------------|-------------|
| | | Number of Visitors | Income from Zoo | Budget Allotment | Expenditure |
| 1 | 2017-18 | 336913 | 9456270 | 3000000 | 3000000 |
| | | | | (21 अनुरक्षण चिड़ियाघर) | |
| | | | | 1101000 | 1101000 |
| | | | | (16 लघु निर्माण कार्य) | |

13. Daily feed Schedule of animals

| S.No | Species | Feed Item | Quantity | Day of Fasting |
|------|------------------------|---|----------|----------------|
| 1 | Lion Lion Cubs | Buffalo meat | 11 Kg | Tuesday |
| | | | 5 Kg | |
| 2 | Tiger | Buffalo meat | 11 Kg | Tuesday |
| 3 | Leopard Leopard Cub | Buffalo meat | 4 Kg | Tuesday |
| | | | 3 Kg | |
| 4 | Hyena | Buffalo meat | 3 Kg | Tuesday |
| 5 | Wolf | Buffalo meat | 2 Kg | Tuesday |
| 6 | Jackal | Buffalo meat | 1 Kg | Tuesday |
| 7 | Desert fox | Buffalo meat | 0.750 Kg | Tuesday |
| 8 | Desert Cat | Buffalo meat | 0.750 Kg | Tuesday |
| 9 | Palm civet | Buffalo meat | 0.750 Kg | Tuesday |
| 10 | Indian Fox | Buffalo meat | 0.750 Kg | Tuesday |
| 11 | Crocodile | Buffalo meat | 1 Kg | Tuesday |
| 12 | Monitor lizard | Buffalo meat | 0.250 Kg | Tuesday |
| 13 | Porcupine | Gram Maize Vegetable, Fruit and Peanut | 0.125 Kg | |
| | | | 0.125 Kg | |
| | | | 0.250 Kg | |
| | | | 0.250 Kg | |
| 14 | Gharial | Fish | 1 Kg | Tuesday |
| 15 | Spotted deer | Green Vegetable (Cucumber, Cabbage, cucamelon) Whole grains, Barley Rijka | 0.500 Kg | |
| | | | 0.500 Kg | |
| | | | 4 Kg | |
| 16 | Indian Gazelle | Green Vegetable (Cucumber, Cabbage, Cucumis melo cucamelon) Rijka, Whole grains, Barley | 0.500 Kg | |
| | | | 4 Kg | |
| | | | 0.400 Kg | |
| 17 | Black Buck | Green Vegetable (Cucumber, Cabbage, cucamelon) Whole grains, Barley Rijka , Whole grains, Barley | 0.500 Kg | |
| | | | 0.500 Kg | |
| | | | 5 Kg | |
| | | | 0.500 Kg | |
| 18 | Bear | Fruit (Banana, Cucumber, sapota, Papaya, Mango Water melon) Milk, Wheat floor Honey | 0.250 Kg | |
| | | | 2 Kg | |
| | | | 1.50 Kg | |
| | | | 0.015 Kg | |
| | | | | |

| | | | | | |
|----------------|-------------------------|--|--|--|--|
| 19 | Monkey | Fruits and Vegetables Rice Milk Bread Pieces Peanut Roast chana | 0.500 Kg 0.125 Kg 0.250 Kg Two Pieces 0.100 Kg 0.050 Kg | | |
| Birds | | | | | |
| 20 | Budegeriger | Kangani, Whole grains, Green Vegetable(Tar kakdi, Balam kakdi, Gobhi patta, Palak, Chandaliya) | 0.025 Kg | | |
| 21 | Cockatiel | Whole grains, Vegetables, Fruits (Banana, Kakdi, Mango, Pappaya, sapota, Jamun) | 0.025 Kg | | |
| 22 | Crane Demoseille | Wheat flour, Whole grains, Vegetables, Fruits | 0.050 kg | | |
| 23 | Duck Comb | Green Vegetable (Tar kakdi, Balam kakdi, Gobhi patta, Palak, Chandaliya) Millet | 0.030 kg 0.100 kg | | |
| 24 | Duck Muscovy | Green Vegetable (Tar kakdi, Balam kakdi, Gobhi patta, Palak, Chandaliya) | 0.015 kg | | |
| 25 | Egret Cattle | Fish | 0.050 kg | | |
| 26 | Emu | Rijka, Green Vegetable (Tar kakdi, Balam kakdi, Gobhi patta, Palak, Chandaliya) Mix Grain Onion, Garlic | 0.250 kg 0.250 kg (Mix Grain) 0.125 kg | | |
| 27 | Goose White | Chandaliya, Mix Grain Onion, Garlic | 0.250 kg (Mix Grain) 0.125 kg | | |
| 28 | Parakeet Alexandrine | (Fruits, Vegetables) Banana, Kakdi, Mango, Pappaya, sapota, Jamun, Rice, Green chilly, Peanut | 0.150 kg 0.050 kg | | |
| 29 | Parakeet Blossom Headed | (Fruits, Vegetables) Banana, Kakdi, Mango, Pappaya, sapota, Jamun, Rice, Green chilly, Peanut | 0.125 kg 0.050 kg | | |
| 30 | Parakeet Rose Ring | (Fruits, Vegetables) Banana, Kakdi, Mango, Pappaya, sapota, Jamun, Rice, Green chili, Peanut | 0.125 kg 0.050 kg | | |
| 31 | Pelican Rosy/White | Fish | 0.150 kg | | |
| 32 | Pheasant Silver | Onion, Garlic, Green Vegetable(Tar kakdi, Balam kakdi, Gobhi patta, Palak, Chandaliya) | 0.025 kg | | |
| 33 | Love Birds | Green Vegetable(Tar kakdi, Balam kakdi, Gobhi patta, Palak, Chandaliya)kangani | 0.025 Kg | | |
| REPTILE | | | | | |
| 34 | Tortoise Indian Star | Rice, Milk, Palak, Chandaliya | 0.125 (Milk) 0.900 (Rice) | | |
| 35 | Python | Rabbit /Hen | Per Week 01 | | |

14. Vaccination Schedule of animals

| S.No | Species/ Family | Disease vaccinated for | Name of the Vaccine and dosage/ quantity used | Periodicity | Remarks |
|------|--------------------|--|--|-------------|---------|
| 1 | Lion | Feline Rhinotracheitis virus Feline calici virus Panleucopenia virus | Fel-o-vax – One dose | Annually | - |
| 2 | Tiger | Feline Rhinotracheitis virus Feline calici virus Panleucopenia virus | Fel-o-vac – One dose | Annually | - |
| 3 | Leopard | Feline Rhinotracheitis virus Feline calici virus Panleucopenia virus | Fel-o-vac – One dose | Annually | - |
| 4 | Desert Cat | Feline Rhinotracheitis virus Feline calici virus Panleucopenia virus | Fel-o-vac – One dose | Annually | - |
| 5 | Canidae | ARV, Distemper, contagious hepatitis {ICH}, Parvo {CPV}, Parainfluenza {CPI}, Adeno {CAV-2}, Lepto. | Inj. Raksharab & Inj. Novivac DHPPi | Annually | |
| 6 | Ursidae | ARV | Inj. Raksharab | Annually | |

15. De-worming Schedule of animals

| S.No | Species | Drug used | Month |
|------|------------|----------------------------|-------------------------|
| 1 | Carnivores | Praziquantel, Fenbendazole | January & July |
| 2 | Herbivores | Albendazole, Fenbendazole | January, May, September |
| 3 | Birds | Albendazole, Fenbendazole | January, May, September |
| 4 | Reptiles | Albendazole, Fenbendazole | January & July |

16. Disinfection Schedule

| S.No | Species | Type of enclosure | Disinfectant used and method | Frequency of disinfection |
|------|------------|-------------------|---|---|
| 1 | Carnivores | Closed | Khorsoline, Flaming with fire flame, Phenyle | Flaming once in a week in monsoon. Daily washing of feeding cell flooring. |
| 2 | Herbivores | Open | Feeding & watering potes are cleaned with Lime/Ca(OH) ₂ | February, April, July, September, November |
| 3 | Birds | Open | Feeding & watering potes are cleaned with Lime/Ca(OH) ₂ | February, April, July, September, November |
| 4 | Reptiles | Open | Feeding & watering potes are cleaned with Lime/Ca(OH) ₂ | February, April, July, September, November |

17. Health Check-up of employees for zoonotic diseases

| S.No | Name | Designation | Date of Health Check up | Findings of Health Check up |
|------|------|-------------|-------------------------|-----------------------------|
| | | | | |
| | | | | |

18. Development Works carried out in the zoo during the year

- 1500 Running meter contraction of boundary wall around nearby forest land.
- Contraction of temporary rescue center outside the park premises
- Contraction of temporary houses and shelters for wild animals and birds to accommodate old zoo remaining live stock.

19. Education and Awareness programmes during the year

- (i) Wildlife Week celebrated every year from 2 October to 8th October.
- (ii) Training to wildlife Volunteers twice a year.
- (iii) Celebration of bird race once in a year.

20. Important Events and happenings

- (i) Construction of wildlife rescue center is in progress funded by Juica
- (ii) Construction of carcass disposal campus for rescued animals.

21. Seasonal Special arrangements for upkeep of animals

- Summer: - Cooler and organic materials curtain in animal shelters.
Winter:-Heater and cloth joot curtain for animal houses.

22. Research Work carried out and publications

- Rathore S S and Gehlot H S (2017): Rising Carnivores Conflicts in arid region of Rajasthan, INDIA abstract published in National Conference on Behavior Ecology: Response to Climate change organized by Gujarat Institute of Desert Ecology, Gujarat
- Gehlot H S and Rathore S.S and Joshi H (2016): Human leopard conflict in western Rajasthan abstract published in National seminar on Faunal diversity of desert ecosystem abstract published by Zoological Survey of India, Jodhpur (Rajasthan)
- Rathore S S (2016): Wild Ungulated Decline due to feral dogs in Jodhpur district of Rajasthan (INDIA) abstract published in National Seminar on Mankind: Facing Environmental Challenges & Tackling Disaster's MFECTD at Jodhpur
- Gehlot H S and Rathore S.S and Joshi H (2016): Escalating Leopard Conflicts in arid region of Rajasthan, INDIA paper published the preceding of an International Conference on Eco Friendly and Socially Responsive Economy and Equity: Issue and Challenges of 21st Century for Emergent Sustainable Development Amongst SAARC Countries Organized by Department of Zoology, M L S University, Udaipur (Rajasthan)

- Gehlot H S and Rathore S.S and Joshi H (2015): Threats for conservation of peafowl (*Pavocristatus*) in Thar Desert of Rajasthan, India abstract published in National Conference on Environment, Pollution, Health, Hazards & Prevention organized by M S J Govt. College, Bhartpur, (Rajasthan)
- Subhash Kachhawaha and Sharvan Singh (2010): Hypoderma Infestation in Chinkara (*Gazellabennettii*) - Case Report published in IntasPolivet Vol. 11 (I): 117-118
- Subhash Kachhawaha, Sharvan Singh and Hemant Joshi (2012): Lameness and its Management in a Sloth Bear (*Melursus ursinus*) paper published in IntasPolivet Vol. 13 (II): 228-229

23. Conservation Breeding Programme of the Zoo

Successful breeding of lion, Jackal, Wolf, Tortoise, Cheetal, Chinkara, Black-buck and in some birds.

24. Animal acquisition/transfer/exchange during the year

| A | Animals arriving in the zoo | | | | |
|---|-----------------------------|--------------------------|--------------|---|---------------------------------|
| | H. No. | Species | Number (M:F) | From which Zoo | Date of arrival in the zoo |
| | Cage No 6 | Tiger | 1;1 | Kanpur zoological Park (UP) | 12 may 2018 |
| | | | | | |
| B | Animals going from the zoo | | | | |
| | H. No. | Species | Number (M:F) | Gone to which Zoo | Date of deposition from the zoo |
| 1 | Cage No 5 | Indian gazelle(Chinkara) | 2:4 | SajjanGarh Biological Park Udaipur (Raj.) | 24 April 2018 |
| 2 | Cage No 5 | Indian gazelle(Chinkara) | 2:6 | Kanpur zoological Park (UP) | 11-April 2018 |
| 3 | Cage No 12 | Canis lupus(wolf) | 1:2 | Kanpur zoological Park (UP) | 11 April 2018 |

25. Rescue and Rehabilitation of wild animals carried out by the Zoo

| S. No | Date of Rescue | Species with number of animals rescued with their Sex (M:F:U:T) | Received from | Date of Submission of Report to the CWLW/ CZA | Action taken | |
|-------|------------------------------|---|---|---|---|--|
| | | | | | Date and place of rehabilitation in their habitat | Reasons for housing in the zoo, if not released in their habitat |
| 1 | 14-04-2017 | Leopard 1:0:0 | Village :Sendara District :Pali | – | 19-04-2018,near Malpura chouki ,Rankpur ,kumbhlgagh sanctuary area.Dist.:RajSama nd | – |
| 2 | 17-12-2017 | Leopard 1:0:0 | Village:Pilowani ,Samadari, Dist.Barmer | – | 21-12-2017 Rajal Labela forest area Dist.:Sirohi | – |
| 3 | 17-01-2018 | Leopard 1:0:0 | Village:Fagliya ,Chohtan Dist. Barmer | – | 22-01-2018 Rajal Labela forest area Dist.:Sirohi | – |
| 4 | 1April 2017 to 31 march 2018 | Indian gazelle (Chinkara) Total :597 | Jodhpur & nearby District of Thar desert | – | Same area from where they were brought to rescue center Total :026 | 571 Died and Disposed off as per guideline. |
| 5 | 1April 2017 to 31 march 2018 | Black Buck Total :125 | Jodhpur & nearby District of Thar desert | | Same area from where they were brought to the rescue center Total:009 | 116 died and Disposed off as per guideline. |
| 6 | 1April 2017 to 31 march 2018 | Blue bull Total :241 | Jodhpur & nearby District of Thar desert | | Same area from where they were brought to the rescue center Total :011 | 130 died and Disposed off as per guideline. |
| 7 | 1April 2017 to 31 march 2018 | Monkey Total:013 | Jodhpur & nearby District of Thar desert | | Same area from where they were brought to the rescue center Total: 010 | 003 died and Disposed off as per guideline. |
| 8 | 1April 2017 to 31 march 2018 | Pea fowl Total :097 | Jodhpur & nearby District of Thar desert | | Same area from where they were brought to the rescue center Total:089 | 008 died and Disposed off as per guideline. |

26. Annual Inventory of animals

Form – II
[See Rule 11(1)]
Part – A
Inventory Report for the Year: 2017-18

FORM - II
[See rule 11 (1)] PART - A

| Endangered Species (Schedule I & II) | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------------|-------------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|----------|----------|-----------|----------|----------|----------|----------|----------|-----------------------------------|-----------|-----------|------------|
| S. No | Animal Name | Scientific Name | Opening Stock as on 01.04.2017 | | | | Births | | | Acquisitions | | | Disposals | | | Deaths | | | Closing Stock as on 31.03.2018 | | | |
| | | | M | F | U | T | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T |
| Bird | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Peafowl Indian | Pavo cristatus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 8 |
| MAMMAL | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Bear Himalayan Black | Ursus thibetanus | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 3 | Sloth Bear | Melursus ursinus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 4 | Indian wolf | Canis lupus pallipes | 2 | 5 | 0 | 7 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 6 | 13 |
| 5 | jackal | canis aureus | 2 | 2 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 10 |
| 6 | Leopard / Panther | Panthera pardus | 1 | 3 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 0 | 4 |
| 7 | Macaque Bonnet | Macaca radiata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Macaque Rhesus | Macaca mulatta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 3 | 9 |
| 9 | Tiger Bengal | Panthera tigris tigris | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Lion Hybrid | Panthera leo persica | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 11 | Asiatic Lion Pure | Panthera leo persica | 2 | 1 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 5 |
| 12 | Jungle Cat | Felis chaus | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 13 | Desert Fox | Vulpes bucapus | 0 | 1 | 2 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 |
| 14 | Black Buck - Krishna Mregh | Antilope cervicapra | 5 | 4 | 0 | 9 | 5 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 6 | 4 | 20 |
| 15 | Chinkara (Indian Gazelle) | Gazella gazella benneti | 4 | 4 | 6 | 14 | 4 | 9 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 13 | 9 | 30 |
| TOTAL MAMMAL | | | 18 | 23 | 8 | 49 | 10 | 12 | 21 | 2 | 6 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 29 | 41 | 32 | 102 |
| REPTILE | | | | | | | | | | | | | | | | | | | | | | |
| 16 | Ghariyal | Gavialis gangeticus | 1 | 0 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 3 | 3 |
| 17 | Crocodile Marsh(Mugger) | Crocodylus palustris | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| TOTAL REPTILE | | | 1 | 0 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 4 | 4 |
| TOTAL ANIMALS | | | 19 | 23 | 13 | 55 | 10 | 12 | 21 | 7 | 9 | 3 | 0 | 0 | 0 | 2 | 0 | 1 | 34 | 44 | 36 | 114 |

Part – B
Other than Endangered Species

| S.No | Animal Name | Scientific Name | Opening Stock as on 01.04.2017 | | | | Births | | | Acquisitions | | | Disposals | | | Deaths | | | Closing Stock as on 31.03.2018 | | | | |
|------|-------------------------|----------------------------|--------------------------------|---|---|---|--------|---|---|--------------|----|-----|-----------|---|---|--------|---|---|--------------------------------|----|----|-----|-----|
| | | | M | F | U | T | M | F | U | M | F | U | M | F | U | M | F | U | M | F | U | T | |
| 1 | Budgeriger | Melosittacus undulatus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 148 |
| 2 | Cockatiel | Nymphicus hollandicus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 | 4 | 12 |
| 3 | Coot Common | Fulica atra | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Crane Demoseille | Grus virgo | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 5 | Dove Ring | Streptopelia decaocto | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Dove Red turtle | Streptopelia tranqueberica | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Duck Comb | Sarkidiornis melanotos | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 8 | Duck Muscovy | Cairing moschata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 0 | 7 |
| 9 | Duck Pin Tail | Anas acuta | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | Egret Cattle | Bubulcus ibis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| 11 | Emu | Dromaius novaehollandiae | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 4 |
| 12 | Flamingo | Phoenicopterus roseus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Geese White | Anser anser | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 10 |
| 14 | Ibis White | Threskiornis aethiopicus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Koel | Eudynamis scolopacea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16 | Moorhen indian | Gallinula chloropus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Parakeet Alexandrine | Psittacula eupatria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| 18 | Parakeet Blossom Headed | Psittacula cyanocephala | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 5 |
| 19 | Parakeet Rose Ring | Psittacula kremeri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 28 | 0 | 48 |
| 20 | Partidge Grey | Francolinus pondicerianus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | Pelican Rosy / White | Pelecanus onocrotalus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 3 |
| 22 | Pheasant Silver | Lophura nycthemera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| 23 | Pigeon Blue Rock | Columba livia | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | Pochard Common | Anas clypeata | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|-----------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------|----------|----------|----------|----------|-----------|-----------|------------|------------|------------|
| 25 | Stork Black Neck | Ephippiorhynchus asiatus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 26 | Love Birds | Agapornis fischeri | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 10 | 0 | 22 |
| 27 | Spoon bill white | Platlia lancorodic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL BIRD | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 59 | 155 | 0 | 0 | 0 | 0 | 0 | 0 | 54 | 59 | 155 | 268 |
| MAMMAL | | | | | | | | | | | | | | | | | | | | | | |
| 1 | DeerSpotted -(Chital) | Axis axis | 2 | 5 | 1 | 8 | 2 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 3 | 20 | |
| 2 | Hyaenna stripped | Hyaena hyaena | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | |
| 3 | Rozra - Blue Bull | Boselaphus tragocamelus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ToTOTAL MAMMAL | | | 2 | 5 | 1 | 8 | 2 | 8 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 3 | 22 | |
| REPTILE | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Tortoise Indian Star | Geochelone elegans | 1 | 8 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 9 | |
| TOTAL REPTILE | | | 1 | 8 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 0 | 9 | |
| TOTAL ANIMALS | | | 3 | 13 | 1 | 17 | 2 | 8 | 2 | 55 | 60 | 155 | 0 | 0 | 0 | 0 | 0 | 60 | 81 | 158 | 299 | |
| G.TOTAL | | | 22 | 36 | 14 | 72 | 12 | 19 | 23 | 62 | 70 | 158 | 0 | 0 | 0 | 2 | 0 | 1 | 94 | 125 | 194 | 413 |

27. Mortality of animals

| S.No | Animal Name (With individual indentification mark, if any) | Scientific Name | Sex | Date of Death | Reason of Death as per the postmortem report |
|------|---|------------------------|--------------|------------------|--|
| 1 | Cheetal | Axis axis | male | 12-7-2017 | Shock by Capture myopathy |
| 2 | Cheetal | Axis axis | male | 12-7-2017 | Shock by Capture myopathy |
| 3 | Cheetal | Axis axis | male | 17-9-2017 | Shock by Capture myopathy |
| 4 | Cheetal | Axis axis | Female | 21-09-2017 | Hypovolumic shock |
| 5 | Parakeet Rose Ring | Psittacula kremeri | Female | 02-11-2017 | Respiratory failure |
| 6 | Parakeet Rose Ring | Psittacula kremeri | male | 02-11-2017 | Respiratory failure |
| 7 | Love bird | Agapornis fischeri | male | 09-11-2017 | unknown |
| 8 | Indian Star Tortoise | Geochelone elegans | female | 10-11-2017 | Respiratory failure |
| 9 | Budgeriger | Melosittacus undulatus | unidentified | 10-11-2017 | unknown |
| 5 | Hybride Lion | Panthera Lio | male | 26-12-2017 | Respiratory failure |

28. Compliance with conditions stipulated by the Central Zoo Authority

| S. No | Norm No. under RZR, 2009 | Condition Stipulated | Time Period to Comply | Since when pending | Status with regard to compliance of the conditions |
|-------|--------------------------|--|--------------------------------|------------------------------|---|
| 1 | | <p>Ticket Window Area:-</p> <p>(i) Height of the boundary wall should be increased as per guidelines of CZA With appropriate design to prevent intrusion of stray animals, dogs etc.</p> <p>(ii) The ticketing area near the gate seems to be inadequate. Therefore, in case of large number of visitors, the provision for lining with standoff barrier in zigzag manner should be done.</p> <p>(iii) The steps should be placed to reach to the ticket window comfortable.</p> <p>(iv) In case of heavy rush in occasions, provision for emergency ticket counter may be made.</p> <p>(v) The provision for checking of ticket should be established near the gate itself.</p> <p>(vi) The proposed facility for sitting benches near the ticket counter should not be in the middle of area, if at all required should be done along the wall.</p> | Prior to Machia bio park start | - | All the 6 points are fulfilled |
| 2 | | <p>Crocodile and Gharial Enclosure:-</p> <p>(i) The water body has to be done in saucer shape to facilitate the easy movement of animals to come out on the land for basking.</p> <p>(ii) The visitors view point should be prominently developed with the emersion effect. Rest of the area other than visitors viewing side should be camouflaged with the vegetation.</p> <p>(iii) Due enrichment should be done inside the enclosure including providing the sand for basking. The back of enclosure should be camouflaged by planting appropriate species.</p> | | 4 th October 2014 | <p>(i) This office has been sending Letter No 2760 dated 13.06.2016 to Executive agency (RSRDC) to ruled out the problem's</p> <p>(ii) The visitors view point has been developed accordingly and natural vegetation nearby area is also camouflaged the extra area.</p> <p>(iii) As per the guideline basking area has been developed.</p> |

| | | | | | |
|---|--|---|--|--|--|
| 3 | | <p>Enclosure of Spotted deer, Black buck and Chinkara:-</p> <p>(i) There is no standoff barrier. Therefore, the standoff barrier of minimum prescribed height by the CZA may be establishment providing the viewing point restricted to 25% with emersion effect.</p> <p>(ii) The ramp of the night shelter should be camouflaged by putting the earth making it natural. The concertina wire on top of the chain link fencing is not required and should be removed.</p> <p>(iii) The retaining wall constructed inside the arena should be camouflaged by putting earth and doing plantations.</p> <p>(iv) The feeding provisions should be scattered in different sites (4-5 sites) with higher ground.</p> <p>(v) The animal house and fencing towards the animal house should be camouflaged by doing plantations.</p> <p>(vi) Proper signage both educational and warning should be placed at appropriate place.</p> | | | <p>(i) Standoff barrier has been constructed as per guide line and due to natural vegetation viewing area is restricted to 25% only.</p> <p>(ii) The ramp of the night shelter camouflaged by sand. The concertina wire on top of the chain link fencing is necessary since there is panther movement reported.</p> <p>(iii) The retaining wall has been camouflaged by sand and natural grasses.</p> <p>(iv) The feeding provisions have been made accordingly.</p> <p>(v) The fencing towards the Animal house is on the process to camouflage by the natural vegetation and creepers.</p> <p>(vi) signage for education and warning has been placed at appropriate site</p> |
| 4 | | <p>Tiger Enclosure:-</p> <p>(i) The standoff barrier could be placed by increasing the live hedge area from 10-12 ft. away the main fencing of the enclosure.</p> <p>(ii) The information signage and warning signage should be placed at appropriate places.</p> <p>(iii) The area between the tiger and lion enclosure should be filled up with earth and screen both the enclosures by planting appropriate species.</p> | | | <p>(i) The standoff barrier has been placed as per the guide line.</p> <p>(ii) Signage for education and warning has been placed at appropriate site.</p> <p>(iii) The area between the tiger and lion enclosure yet to be camouflaged by natural material.</p> |

| | | | | | |
|---|--|--|--|--|---|
| | | (iv) The wall of night cell towards the keeper's gallery in the animal house should be dismantled and replaced by bars with sufficient space and distance with provision of feeding window. | | | (iv) Letter no. 2760 Dated 13.06.2016 has been Send to Executive agency (RSRDC) to Dismantled and replacement of wall by the iron bars towards the keeper's gallery in the animal house. |
| 5 | | <p>Lion Cage:-</p> <p>(i) The visitors view point should be placed as instructed during the visit away from the tiger enclosure.</p> <p>(ii) The standoff barrier should be erected by providing sufficient area for live hedge as prescribed for tiger enclosure.</p> <p>(iii) The provision for squeeze cage in the animal house should be provided at the last animal cell. The design could be had from the Ahmedabad Zoo.</p> <p>(iv) The wall of night cell towards the keeper's gallery in the animal house should be dismantled and replace by bars with sufficient space and distance with provision of feeding window.</p> <p>(v) Provide Almirah in keeper's gallery to keep belongings of keeper.</p> | | | <p>(i) Visitors view point has been constructed as per instructions.</p> <p>(ii) The standoff barrier has been developed by iron poles.</p> <p>(iii) The provision for squeeze cage in the animal house has been provided.</p> <p>(iv) Letter no. 2760 Dated 13.06.2016 has been Send to Executive agency (RSRDC) to Dismantled and replacement of wall by the iron bars towards the keeper's gallery in the animal house.</p> <p>(v) kota stone made Almirah has been constructed for the keeper's .</p> |
| 6 | | <p>Panther Enclosure:-</p> <p>(i) The arena of the enclosure is mostly on the rocks with a least chance to provide natural vegetation. Therefore, arena should be towards the nullah including the vegetated land area and by separating the back side of the arena towards animal house in two portions which could be used as kraal as shown in drawing during the visit.</p> | | | (i) Park administration is planning to separate back side of panther enclosure in two portions. |

| | | | | | |
|----|--|---|--|--|---|
| | | <p>(ii) The arena should be provided with appropriate enrichment materials like logs, trees, perching resting sides etc.</p> <p>(iii) The wall of night cell towards the keeper's gallery in the animal house should be dismantled and replace by bars with sufficient space and distance with provision of feeding window.</p> | | | <p>(ii) Sufficient enrichment has been developed in the enclosure.</p> <p>(iii) Letter no. 2760 Dated 13.06.2016 has been Send to Executive agency (RSRDC) to Dismantled and replacement of wall by the iron bars towards the keeper's gallery in the animal house.</p> |
| 7 | | <p>Bear Enclosure:-</p> <p>(i) The proposed construction of bear enclosure should be placed as shown during the visit by inclusion of roky/hilly/plain area by providing natural enrichment as directed and shown in the drawing during the visit.</p> | | | <p>(i) Bear enclosure has been constructed as per the direction and natural enrichment also developed accordingly.</p> |
| 8 | | <p>Food Store :-</p> <p>(i) The store room for vegetables and dry ration seems to be perfect. However, the room for meat should be separated.</p> <p>(ii) The window of the meat house should be converted as gate to provide separate entry with proper approach. The necessary facility for cutting of meat and platform along with the weighing machine should be placed inside the meat house.</p> | | | <p>(i) Room for the meat will be separated very soon from vegetables room.</p> <p>(ii) The necessary facility for cutting of meat and platform along with the weighing machine has been developed.</p> |
| 9 | | <p>Veterinary Hospital:-</p> <p>(i) The doors of enclosure for herbivores are not proper which should be with a provision of sliding doors in the partition and dropping system in the door opening towards arena.</p> | | | <p>(i) Letter no. 2760 Dated 13.06.2016 has been Send to Executive agency (RSRDC) to develop appropriate dropping system doors.</p> |
| 10 | | <p>Misceleaneous:-</p> <p>Expedite submission of Master plan for approval from CZA. It should contain provision of constitution of Zoo foundation or Zoo Society.</p> | | | <p>Master plan for Machia Biological Park has been sand to CZA with provision of constitution of Zoo Society.</p> |

Regarding Inspection note old Umaid Udhyan Zoo:-

As per the direction **all animals and birds** from old zoo has been shifted to newly constructed Machia Biological Park.

Rescue Center has been also shifted to nearby Machia Biological Park in inside temporary premises and construction of rescue center is on progress.

Regarding Inspection note on old Rescue Center:-

- (i) Rescue young baby of wolf has been shifted to temporary rescue center in Machia Forest Block.
- (ii) Three rescued vulture yet to be released in their natural habitat.
- (iii) Recovered birds are releasing after complete cure in a routine way.

29. List of free living wild animals within the zoo premises

- a. Mammals – Domestic Cat, Mongoose.
- b. Birds – Eagle, Peafowl, Partridge Grey, Koel, Parakeet Rose Ring, Ring Dove, Cattle Egret etc.
- c. Reptiles – Tortoise, Turtle, Cobra, Sand

(Jai Kishan Jat)
Deputy Conservator of Forest
Wild life, Jodhpur