

No.C.I.4/_____/_____
Himachal Pradesh Forest Department.

Dated Kullu, the/_____/_____

From:

Divisional Forest Officer,
Wildlife Division, Kullu.

To:

The Member Secretary,
Central Zoo Authority,
Bikaner House, Annexe VI,
Shahjahan Road, New Delhi-110011

Subject: Submission of statutory Annual Report of the zoo to the Central Zoo Authority for the year 2016-17- regarding.

Sir,

Kindly refer to this office letter No. 18-2/2017-CZA dated 26.04.2017 on the subject cited above.

2 In this connection, it is submitted the Annual report for the year 2016-17 of Rewalsar Mini Zoo mentioning activities and compliance of the conditions stipulated under the Rule 10 of the recognition of Zoo Rules.2009 is enclosed for your kind perusal please.

Encl. as above

Yours faithfully,

Divisional Forest Officer,
Wildlife Division, Kullu.

Endst. No. C.I.4/_____/_____ / Dated Kullu, the/_____/_____

Copy is forwarded to CF. GHNP Shamshi for information please.

Yours faithfully,

Divisional Forest Officer,
Wildlife Division, Kullu.

ANNUAL REPORT

REWALSAR MINI ZOO

1. ACTIVITIES OF ZOO FOR THE YEAR 2016-17 AND FUTURE ACTIVITIES PLAN
2017-18

2. COMPLIANCE OF THE CONDITIONS STIPULATED UNDER RULE 10 OF THE
RECOGNITION OF ZOO RULES,20009

Divisional Forest Officer,
Wild Life Division, Kullu

**1. ACTIVITIES OF ZOO FOR THE YEAR 2016-17 AND FUTURE ACTIVITIES
PLAN 2017-18**

A) Achievement of works done in Rewalsar Zoo as per requirement of CZA during 2016-17		
SN	Activities (Non recurrent Activities)	Compliance
1	Training-cum-Interpretation centre: - C/o information and Souvenir shop	Needful done
2	Water supply and storage tanks: - C/o water storage tank & C/o drinking water facility.	Needful done
4	Entry gate: - Entry gate, Ticket window.	Needful done
5	Maintenance of existing enclosures :- (i) Extension and upgradation of existing black bear enclosure.	Needful done
	(ii) Screening space b/w different Deer enclosure with PVC opaque green sheet.	Needful done
	(iii) C/o interchain link fencing with gate to segregate Sambar male and female.	Needful done
6	Visitor Paths :- C/o Road/Path and Lawns with ramps	Needful done
7	Environmental enrichment Feeding :- C/o feeding trough	Needful done
8	Security and Monitoring :- CC TV Camera.	Needful done
9	Boundary wall/fencing :- (i) C/o Brick boundary wall of remaining portion of zoo	Needful done
	(ii) Stand of barrier/ railing outside enclosure along the path	Needful done
	(iii) Hedges outside the enclosure along the path.	Needful done
	(iv) C/o Breast wall of stone for Sambar-1 enclosure.	Needful done
10	Solar lights :- Solar light.	Needful done
	Recurrent Activities	
1	Environmental Enrichment :- Enrichment of enclosure with bush and plants etc.	Needful done
2	Veterinary Facilities Medicines and Supplements :- First aid kit and anti snake venom.	Needful done

Divisional Forest Officer,
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B) Plan of activities/ works to be done Rewalsar Zoo as per requirement of CZA during 2017-18

SN	Activities (Non recurrent Activities)	Remarks
1.	Infrastructure development: New	
i	Treatment cum post mortem room	As per CZA requirement
ii	Completion of information centre	
iii	c/o BO office on upper storey of I centre	As per actual requirement
iv	Foot bath (5 no.) in enclosure door	As per CZA requirement
v	c/o Drinking Water facility	
2	Security & monitoring	
i	Railing/ stand of barriers along path outside enclosure	
3	SMC works	
i	Check dams	As per actual requirement
ii	Breast walls in Sambar enclosures	As per CZA requirement
	Activities (Recurrent Activities)	Remarks
1	Maintenance Building works	As per actual requirement
i	BO residence repair	
ii	Fg residence	
iii	Repair of BO office & feeding store	
2	Maintenance of Existing Enclosure	
i	Silt removal from I chain of enclosures	As per CZA requirement
ii	Screening space b/w deer enclosures	
iii	Replacement of old I chain	
3	Water supply & storage Tanks	
i	Maintenance of old water tank & water source	As per CZA requirement
4	Equipments	
i	Search lights	As per actual requirement
5	Other Activities	
i	Hiring of animal attendant, Chowkidar & security persons	As per actual requirement

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2. COMPLIANCE OF THE CONDITIONS STIPULATED UNDER RULE 10 OF THE RECOGNITION OF ZOO RULES,2009

A) Reference office letter F. No. 19-36/93-CZA (100) (Vol. II) (M) dated 08.10.2010

B) Reference office letter F. No. 19-36/93-CZA (100) (Vol. II) (M) /5332 dated 18.07.2014

C) Reference office letter F. No. 19-36/93-CZA (100) (Vol. II) (AK) /2428/2016 dated 16.07.2016

Divisional Forest Officer,
Wild Life Division, Kullu.

A) Reference office letter F. No. 19-36/93-CZA (100) (Vol. II) (M) dated 08.10.2010			
Sr. No	Relevant Norm No	Condition Stipulated to execute	Compliance report
1. General			
1.	9	Zoo should provide some dustbins at visitors' circulation area.	Needful done
2.	11	The residential area should be separated from exhibit zoo premises.	Needful done
2. Animal enclosure Designs.			
3.	15	(a)The high wall towards the visitors viewing side of bear enclosure (1) i.e. along the path should b e broken to the extent that the animals can be seen from the path ensuring safety of visitors and animals.	Shall be done during 2017-18 as funds have been proposed for same
		(b) Standoff barrier be provided along with live hedges in between wall and S.O.B.	Needful done
	15B	(a) The bear enclosure (II) require to provide furniture's by providing timber, logs etc. The pucca floor should be gradually converted to earthen carrying plantation for enrichment.	Needful done
		(b) Standoff barrier is required to extend up to the side where visitors can approach with live hedges plantation to ensure safety of visitors and animals.	Needful done
		(c) Sambar, spotted deer and barking deer enclosure require proper enrichment, saucer shape water turf and night shelter.	Needful done
		(d) In porcupine enclosure needs to provide earthen mound to allow the animal to Burrow and take shelter.	Needful done
		(e) In goral enclosure, plantation of bushes and broad leaves plants should be carried out to provide natural environment.	Needful done
		(f) Signages in each enclosure with scientific information along with warning signages should be provided.	Needful done

		(g) The rescued and injured animals should be kept at off- display area.	Being done as and when required
		(h) Use of central enclosure at display area for rescued animal should be discontinued and dismantled.	Discontinued
4.	17	Enrichment to provide natural environment in the enclosure (bear, deer, porcupine etc.) is urgently required.	Needful done and is continued this FY 2017-18 also
5.	20.	To prevent the prevailing monkey menace (snatching of feed of deers etc.), covered feeding kraal/ shelter to animals during rain and hail.	Efforts are still on to further minimize this menace
6.	36	(a) Segregation of spotted deer by making three sections within the enclosure be adopted as measures for population control and ultimately phasing out.	Needful done
		(b) 58 No. of existing population of Sambar be brought down upto 30 by adopting various population control measures and ultimately phasing out.	Already brought down to 44 and needful shall be done
		(c) Use one of abandoned Sambar enclosure as goral enclosure .	As per approved Layout
		(d) The existing Goral enclosure could be used as off-display centre for Gorals as it does not have convenient visitors	As per approved Layout
		(e) Barking deer (16 No.) should not exceed any more therefore, adopt measures for population control by making sections within the enclosure.	Only 10 deer left, needful done
7.	45	Signages for each animal species need to be provided with scientific information along with directions and warning signages for visitors.	Needful done
8.	46	Leaflets, brochures should be published.	Needful done

Divisional Forest Officer,
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B) Reference office letter F. No. 19-36/93-CZA (100) (Vol. II) (M) /5332 dated 18.07.2014			
Sr. No	Norm No	Condition Stipulated	Compliance report
1. General Requirement			
1.	1.3	The directional signage should be provided at each crossing for smooth movement of visitors.	Needful done
2.	1.5	Boundary wall on the remaining portion of Zoo should be constructed.	Needful done
3.	1.6	The Forest Guard house located in the Zoo premises should be separated by a wall with independent entrance and exit.	Needful done
4. Animal housing, display of animals and animal enclosures			
4.	4.1(b) & 4.6	Porcupine and Himalayan black bear need bushes and plants. Floor of Porcupine should be provided 30-40 cm thick soil.	Needful done
5.	4.5	Enclosures of Porcupine and one Himalayan black bear are small in size, the area of these enclosures need to be increased.	Shall be done during 2017-18
6.	4.7	Screening space between Goral and Barking deer and Spotted deer should be created..	
7.	4.9	a) Stand of barriers should be provided in Goral, Barking deer and Spotted deer.	Needful done
		B) Provide railing on the visitor side path in Sambar.	Needful done
		c) Provide hedge in the stand of barriers in Himalayan black bear.	Needful done
		d) Broken and tilted chain link fence of Goral, Barking deer/ Spotted deer enclosure should be repaired.	Needful done and remaining work shall be completed in 2017-18
8.	4.10	Animal signage in Himalayan black bear should be provided.	Needful done

5. Upkeep and Healthcare of animals.			
9..	5.1 (a)	The animals like Himalayan black bear and Porcupine are all males. Efforts should be made to make their pairs or they should be shifted to other zoos.	Efforts are on to comply
10.	5.1(c)	Water haudi in Goral, Barking deer Cheetal need improvement to keep clean water. These should be covered on the top so that dust and dry leaves do not fall in.	Needful done
11.	5.1 (g)	Foot bath should be provided at the entrance of Himalayan black bear and Porcupine enclosures.	Needful done
12.	5.2 (6)	The food and water samples should be got tested randomly.	Needful done
13.	5.3 (3& 4)	A written schedule for checking parasitic load and vaccination should be prepared and kept near enclosures.	Needful done
14.	5.3 (5)	The operator should prepare and use keeper dairy, daily report, animals treatment card, animal history herd/ card and stud book.	Needful done and stud books shall also be maintained in future
15.	5.3 (6)	The staff involved in the healthcare of animals should be screened against zoonotic diseases once every year.	Needful done
6.	Veterinary and infrastructure facilities.		
16.	6.1 (K)	A treatment room should be constructed .	Shall be constructed in 2017-18
7.	Post- mortem and disposal of carcasses of animals.		
17.	7.2	Post mortem findings should be recorded in CZA format.	Needful done
9.	Acquisition and breeding of animals.		
18.	9.4	Mates for 03 male Himalayan black bear and 02 Male Porcupine should be procured.	Shall be done
12.	Visitor's facilities.		

19.	12.1	a) Directional signages should be provided at every crossing.	Needful done
		b) Roads, paths and lawns should be made smooth and presentable.	Needful done
20.	12.2	First-aid kit and anti snake venom should be kept.	Needful done
21.	12.3	Ramp should be made for handicapped visitors.	Needful done

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**C) Reference office letter F. No. 19-36/93-CZA (100) (Vol. II) (AK) /2428/2016
dated 16.07.2016**

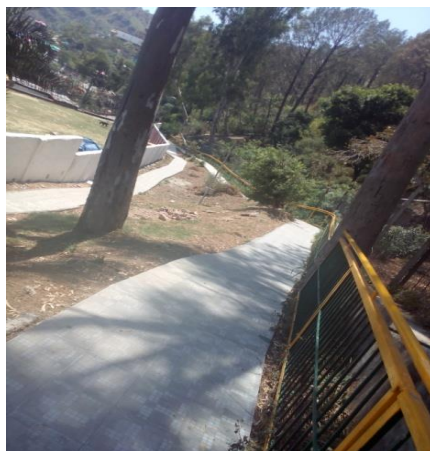
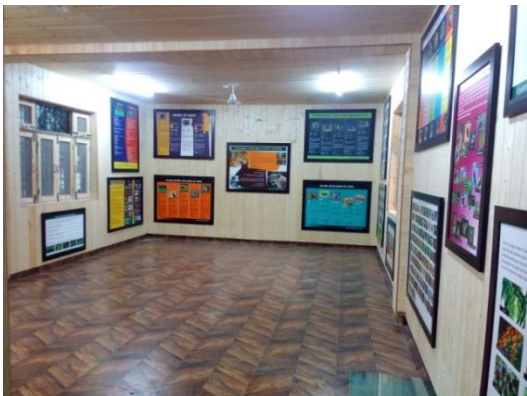
Sr. No	Norm No	Condition Stipulated	Compliance report
1. General Requirement			
1.	1(5)	Remaining portion of boundary wall (of 2 mts height from ground) of the zoo should be constructed.	Needful done
2.	1(6)	The Forst Guard house located in the zoo premises should be in the zoo premises should be separated independent entrance and exit.	Needful done
3.	1(7)	Dustbins for collecting waste be installed to improve the waste management system.	Needful done
4.	3(4)	Animal collection plan should be prepared and be included in Master Plan for approval from CZA.	Needful done
4. Animal housing, display of animals and animal enclosures			
6.	4(6)	Enrichment artifacts should be used for enriching the environment of enclosures.	Needful done
7.	4(7)	Screening space between enclosures for herbivores should be created.	Shall be done 2017-18
8.	4(9)	Standoff barriers at every animal display enclosure should be provided	Needful done
9.	4(10)	Sigange hanging to fence of enclosure should be removed and installed in front of enclosure in bilingual format.	Needful done
5. Upkeep and healthcare of animals			
11	5(1)	Chain link fence provided at animal exhibits should be disinfected periodically	Needful done
12	5(2)	The food and water samples should be got tested randomly and the records should be properly maintained.	Needful done
13	5(3)	A written schedule for checking parasitic load and vaccination should be prepared and kept near enclosures and record should be maintained.	Needful done

14	5(3)	The staff involved in the healthcare of animals should be screened against zoonotic diseases once every year and record should also be maintained.	Needful done
15	5(10)	Keeper's Diary, Daily Report, Animals' Treatment card, Animal History Card should be prepared as per format prescribed by the CZA and be used by zoo	Needful done
6. Veterinary and Infrastructure facilities.			
16	6(1)	A treatment, quarantine and isolation ward should be constructed as proposed after due approval of Master (Layout) Plan and Master Plan.	Shall be constructed in 2017-18
7. Post-mortem and Disposal of carcasses			
17	7(2)	Post mortem findings should be recorded in the format prescribed by the CZA.	Needful done
9. Acquisition and breeding of animals			
18	9(4)	Mates for male Himalayan black bear and Porcupine should be procured else they should be shifted to other recognized zoo for pairing after obtaining approval from the Central Zoo Authority.	Efforts are on to comply this.
12. Visitor's facilities.			
19	12(3)	Wheel chair and ramps at enclosures should be made available for use of 'Divyangjan' among visitors to the zoo.	Ramps have been made & wheel chair shall also be provided soon

Divisional Forest Officer,
Wild Life Division, Kullu.

Some Works done during 2016-17







Divisional Forest Officer,
Wild Life Division, Kullu.