

# NMDC Limited,

Donimalai Complex

(DEER PARK, DONIMALAI)

## Annual Report for the year

## 2020-21





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

Donimalai derives its name from words Doni and Malai in Kannada. Doni is multi-purpose sailboat with a motor or lateen sails and malai means Hills. The shape of the township resembles the shape of boat (doni) and is fully surrounded by green forest hills. And hence derived its name Donimalai meaning boat shaped forest hills. The Deer Park in Donimalai Township has been established in the year 1992. At the foot of Donimalai Forest Block with a lush green patch. This deer Park is having only deers catering the environment and educational and zoological awareness needs of the people belong to Sandur Taluk, Kudligi taluk and other nearby districts. The deer park authorities have taken various steps to improve the facilities of the visitors and Zoo animals gradually very well security been provided to the Deer Park all the days for protection of the animals. Call and concerned is taken for the wellbeing of the animals

2. History of the Zoo - Enclosed as Annexure-I
3. Vision - Inspiring current and future  
generations to become  
active stewards of wild life  
and wild places
4. Mission -NMDC Limited is committed  
to saving species in animal  
care with our dedication to  
inspiring passion for nature
5. Objective - 1) Bio Diversity-  
Conservation education and  
awareness  
2)To propagate the values of  
wildlife.

**6. About us:-**

S.No.	Particulars	Information
<b>Basic Information about the Zoo</b>		
1	Name of the Zoo	<b>NMDC Limited, Donimalai Complex</b>



S.No.	Particulars	Information
2	Year of Establishment	1993
3	Address of the Zoo	NMDC Limited, Donimalai Complex, Sandur Thanking you,, Ballari Dist- 583118
4	State	Karnataka
5	Telephone Number	9449864862
6	Fax Number	08395274464
7	E-mail address	tsramanath@nmdc.co.in
8	Website	www.nmdc.co.in
9	Distance from nearest	Airport:Jindal
		Railway Station:Toranagallu
		Bus Stand:Sandur
10	Recognition Valid upto (Date)	19.08.2021
11	Category of zoo	
12	Area (in Hectares)	5 Hectares
13	Number of Visitors (Financial Year 2020-21)	Adult :714
		Children 251
		Total Indian :965
		Total Foreigners: Nil
		Total Visitors: 965



S.No.	Particulars	Information
14	Visitors' Facilities Available in Zoo	NA
15	Weekly Closure Day of the Zoo	Sunday
<b>Management Personnel of the zoo</b>		
16	Name with designation of the Officer in-charge	Sri.T.S.Ramanath, DGM(Civil),NMDC Limited, Donimalai Complex
	Name of the Veterinary Officer	Dr.Vali, Sadur(Tq.),BallariDist
	Name of the Curator	-
	Name of the Biologist	-
	Name of the Education Officer	-
	Name of the Compounder/ Lab Assistant	-
<b>Owner / Operator of the Zoo</b>		
17	*Name of the Operator	Sri.SabjeevSahi,Chief General Manager,NMDCLimited,Donimalai Complex, Sandur(Tq), Ballari(Dist),583118
18	Address of the Operator	NMDC Limited, Donimalai Complex, Sandur (Tq), Ballari Dist-583118
19	Contact details/Phone number of Operator	9425266310
20	E-mail address of Operator	ssahi@nmdc.co.in



\* Rule 2(m) of the Recognition of Zoo Rules, 2009.

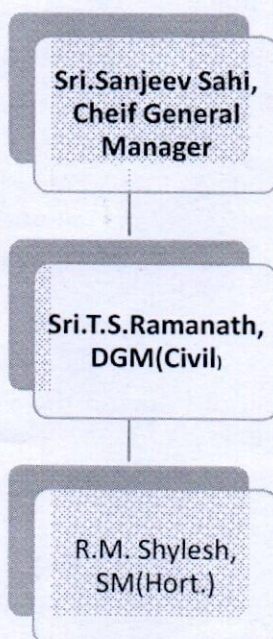
"Zoo Operator" means the person who has ultimate control over the affairs of the zoos provided that \_\_\_\_\_

I. in the case of a firm or other association of individuals, any one of the individual partners or members thereof; or

II. in the case of a company, any director, manager, secretary or other officer, who is in-charge of and responsible to the company for the affairs of the zoo; or

III. In case of zoo owned or controlled by the Central Government or any State Government or Union Territory Administration or any Trust or Society funded by the Central Government or a State Government or a Union Territory Administration, the Secretary of the concerned Department of that Government, or as the case may be the Union Territory Administration, shall be deemed to be the Zoo Operator.

## 7. Organizational Chart



## 8. Human Resources

### Manpower of the Zoo\*

Sl.No.	Designation	Number of Sanctioned Posts	Names of the incumbent
1	Dy. General Manager (Civil)	1	Sri.T.S.Ramanath



2	Sr. Manager (Hort.)	1	R. M. Shylesh
3	Animal Keeper	1	Sri.Honnur Swamy

\*Please give abovementioned information in respect of all zoo personnel, from the Officer in-charge upto the Animal Keeper.

#### 9. Capacity Building of zoo personnel

Sl.No.	Name and designation of the zoo personnel	Subject matter of Training	Period of Training	Name of the Institution where the Training attended

#### 10. Zoo Advisory Committee – Govt. Veterinary Hospital, Sandur, BallariDist. Karnataka

- Date of constitution–Monthly Once and as on when requests made by Department.
- Members – Veterinary Doctor along with Compounder
- Dates on which Meetings held during the year:

#### 11. Health Advisory Committee– The Govt Veterinary doctor visits this Zoo Every month. The assistance of veterinary doctor also visits as and when requests are Made.

- Date of constitution: 1<sup>st</sup> Week of everymonth
- Members ----
- Dates on which Meetings held during the year: Everymonth 1<sup>st</sup> week

#### 12. Statement of income and expenditure of the Zoo: -

SL. No.	Year	Expenditure (Lakhs)	Income (Lakhs)
1	2016-17	4.50	Nil
2	2017-18	4.48	Nil
3	2018-19	4.10	Nil
4	2019-20	4.90	Nil
5	2020-21	5.21	Nil



**13. Daily feed Schedule of animals**

Sl.No.	Species	Feed item	Quantity		Day of fasting
			Winter	Summer	
1	Antelope Cervicapra	Cattle Feed	23.50 Kgs	23.50 Kgs	-

**14. Vaccination Schedule of animals**

Sl.No.	Species	Disease vaccinated for	Name of the Vaccine and dosage/ quantity used	Periodicity	Remarks

**15. De-worming Schedule of animals**

Sl.No.	Species	Drug used	Month
1	Antelope Cervicapra	Albendazole syrup	1 Month/Once

**16. Disinfection Schedule**

Sl.No.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Antelope cervicapra	Open Encloser	Sodium Hypochloride (Chlorine Bleach)	Every Month

**17. Health Check-up of employees for zoonotic diseases**

Sl.No.	Name	Designation	Date of Health Check up	Findings of Health Check up
1	Sri.HonnurSwamy	Animal Keeper	08/05/2021	

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

- 1). Construction of Cremation Yard.
- 2). Painting of fencing completed.



- 3). Permanent feed store renovated.
- 4). Post mortem room renovated.
- 5). Back side gate has been shifted as per the instructions of CZA
- 6). Renovation of feed points at 02 locations.

**19. Education and Awareness programmes during the year**

Kendriya Vidyalaya School, Govt High School, Govt Primary School of Donimalai and other surrounding schools children will visit.

**20. Important Events and happenings**

World Environmental Day celebrations are conducted every year for one week (i.e upto 5<sup>th</sup> June) during which competitions like Poster painting, Slogan competitions, Essay writing etc will be conducted for all school children, employees, Home Makers etc and prizes will be distributed on final day celebrations.

**21. Seasonal special arrangements for upkeep of animals: NA**

**22. Research Work carried out and publications: NO**

**23. Conservation Breeding Programme of the Zoo: Nil**

**24. Animal acquisition / transfer / exchange during the year**

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

A.	Animals arriving in the Zoo				
	H.NO.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
	-	-	-	-	-
B.	Animals going from the zoo				
	H.NO.	Species	Number (M:F)	Going to which Zoo	Date of deposition from the zoo
	-	-	-	-	-

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

Sl.No.	Date of	Species	Received	Date of	Action taken
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	Rescue	with number of animals rescued with their sex (M: F:U:T)	from	Submission of Report to the CWLW / CZA		
					Date and Place of rehabilitation in their habitat	Reasons for housing in the zoo, if not released in their habitat
-	-	-	-	-	-	-

## 27. Annual Inventory of animals

Form – II

[See Rule 11(1)]

Part – A

Inventory Report for the Year: 2020-21

Endangered Species\*

S.N o.	Anim al Nam e	Scienti fic name	Opening Stock as on				Births				Acquisitio n				Dispo sal				Death				Closing Stock as on			
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

\*Animals under Schedule I and Schedule II of the Wild Life (Protection) Act, 1972

Part – B

Other than Endangered Species (01/04/2020 to 31/03/2021)

S. No.	Ani mal Na me	Scien tic name	Opening Stock as on				Births				Acquisiti on				Dispos al				Death				Closing Stock as on					
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T						
1	Black Buck		1	2	-	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2	-	4	4	2	-	6



## 28. Mortality of animals

Sl.No.	Animal Name (with individual identification mark, if any)	Scientific Name	Sex	Date of Death	Reason of Death as per the Post-mortem report
	-	-	-	-	-

## 29. Compliance with conditions stipulated by the Central Zoo Authority

Sl.	Norm No.under RZR	Condition	Time period to comply	Status with regard to compliance
<b>1. General requirements:</b>				
1	10.1(1)	The zoo should make efforts to maintain population of physically, genetically and behaviourally healthy animals.	Immediately	It is complied
<b>3. Development and Planning :</b>				
2	10.3(1)	The zoo Should submit the Master plan for consideration of the Central Zoo authority	Three months	Soft copy Submitted on 14.10.2020 and Hard copy earlier submitted on 13.11.2019
<b>4. Animal housing, display of animals and animals enclosures:</b>				
3	10.4(2)	Although the enclosure spans a large area only a small subsection is used for housing animals and the remaining enclosure is cordoned off using a chain-link fence. It shall be ensured that the animals have access to entire expanse of the enclosure.	One month	Access is available and gate is provided
4	10.4(3)	The Water outlets should either be removed or redesigned to ensure that sharp projections in the enclosure are removed.	Three weeks	Removed and it is complied



5	10.4(3)	The currently used tree guards and old and rusted metal drums. It shall be immediately replaced with tree guards made from natural materials.	One month	Tree Guards removed and replaced with natural material with no thorns
6	10.4(3)	The covering of drainage traps in places accessible by animals should either be closed down or alternative fixed with suitable concrete cover that are levelled to the ground.	One month	As suggested, work completed
7	10.4(9)	The zoo should designate a visitor viewing area and provide appropriately designed and effective stand-off barriers to regulate movement of visitors, provide optimal viewing and cause least disturbance to the animals.	Two months	It is complied and barriers are provided
8	10.4(10) & 10.11(1)	The zoo should ensure installation of appropriately located bilingual signages containing the biological & behavioural information of respective animals.	Six months	It is complied
<b>5. Upkeep and healthcare of animals:</b>				
9	10.5(2)	The zoo authorities should take up the random food and water samples being tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory.	One month	Drinking water is being supplied to Deer Park. Periodical test are being done.
10	10.5(3) & 10.5(4)	Multiple sheltered feeding platforms should be provided within the enclosure. It shall also be ensured that the feeding platforms are safeguarded from free ranging wildlife (macaques etc.)	Six months	As suggested, the same has been done
11	10.5(4)	At least two smaller compartments (around 100m <sup>2</sup> ) shall be created connected to the main enclosure for isolation of individuals in case of aggression or other management reasons.	Two months	Work Done
12	10.5(5)	The Zoo Directors shall ensure that enclosure is cleaned of extract left-over food, construction material from the enclosure.	Immediately	It is complied
13	10.5(5)	The practice of burning Waste materials inside the enclosure should be discontinued.	Immediately	It is complied
14	10.5(5)	An area with the premises (but outside the enclosure) should be demarcated for the disposal of solid waste from the enclosure.		It is complied



15	10.5(8)	The Zoo should have written schedule of vaccination and deworming of different species of wild animals housed at zoo and the should also be displayed at the enclosure.	One month	Regularly vaccination and health check will be done by nearby Govt. Veterinary Doctor, Sandur
16	10.5(9)	All staff of the zoo involved with upkeep and healthcare of zoo animals screened against zoonotic diseases once every year and action appropriate should be ensured.	Immediately	It is complied
17	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 thee keeper's diary, daily reports, animal history cards and treatment cards, as per standards specified by the Central Zoo Authority.	Immediately	Regular records are maintainig to maintain health of Deers
<b>6. Veterinary and infrastructure facilities:</b>				
18	10.6(3) & 10.7(4)	A post-mortem and carcass disposal area should be created which is situated outside the enclosure.	Six months	The same is following till today
<b>9. Acquisition and breeding of animals:</b>				
19	10.9(9)	suitable population control measures shall be implemented to ensure that the ungulate population comply with the guidelines prescribed by the Central Zoo Authority.	Six months	The same as per CZA guide lines will be followed
<b>12. Visitors' facilities:</b>				
20	10.12(2)	The zoo should ensure availability of first -aid facilities including snake anti-venom and lifesaving drugs, readily available in the Zoo premises.	Immediately	First Aid kit is available in the premises of Deer Park and visitors can see the Deers outside from Chainlink mesh only
21	10.12(3)	The Zoo should ensure that viewing area is " <i>Divyang Jan</i> " friendly and have easy access. Further, wheelchair should also be readily available.	One month	Visitors can see the Deers from out sidechainlink mesh only and not allowing inside the park premises



**30. List of free living wild animals within the zoo premises**

- a. Mammals: Nil
- b. Birds : Nil
- c. Reptiles : Nil







**NMDC Limited  
Donimalai Iron Ore Mine  
Donimalai Township  
Sandur (Tq), Ballari Dist, Karnataka**

## **Deer Park**

NMDC Limited, Karnataka State



**MASTER PLAN OF DEER PARK AT DONIMALAI TOWNSHIP, NMDC LIMITED,  
SANDUR TALUK, BALLARI DIST, KARNATAKA STATE.**







## **Part-1**

1. **Introduction:** The deer park is situated at NMDC Limited, Donimalai Iron Ore Mine, Donimalai Complex, Donimalai, Sandur Taluk, Ballari Dist, Karnataka and occupies an important place among Panchayath, Donimalai is situated in Sandur Taluk and is approachable by road from Sandur, which is 10 kms away. The nearest railway station for passenger traffic is Tóranagallu in the Hubballi – Guntakal broad guage section of South Western Railway which is 26 kms from Donimalai. The district town Ballari is 58kms away on the NE and another important trading centre Hosapete is 40 kms away on the NW direction. The distance from Bengaluru is 325 kms.

The area of the zoo is 5 Ha. which has been fenced with chain link mesh. The advisory committee is NMDC Limited, DIOM's Civil Department for management and improvement of zoo.

**Objective's:** Biodiversity – Conservation, education and awareness.

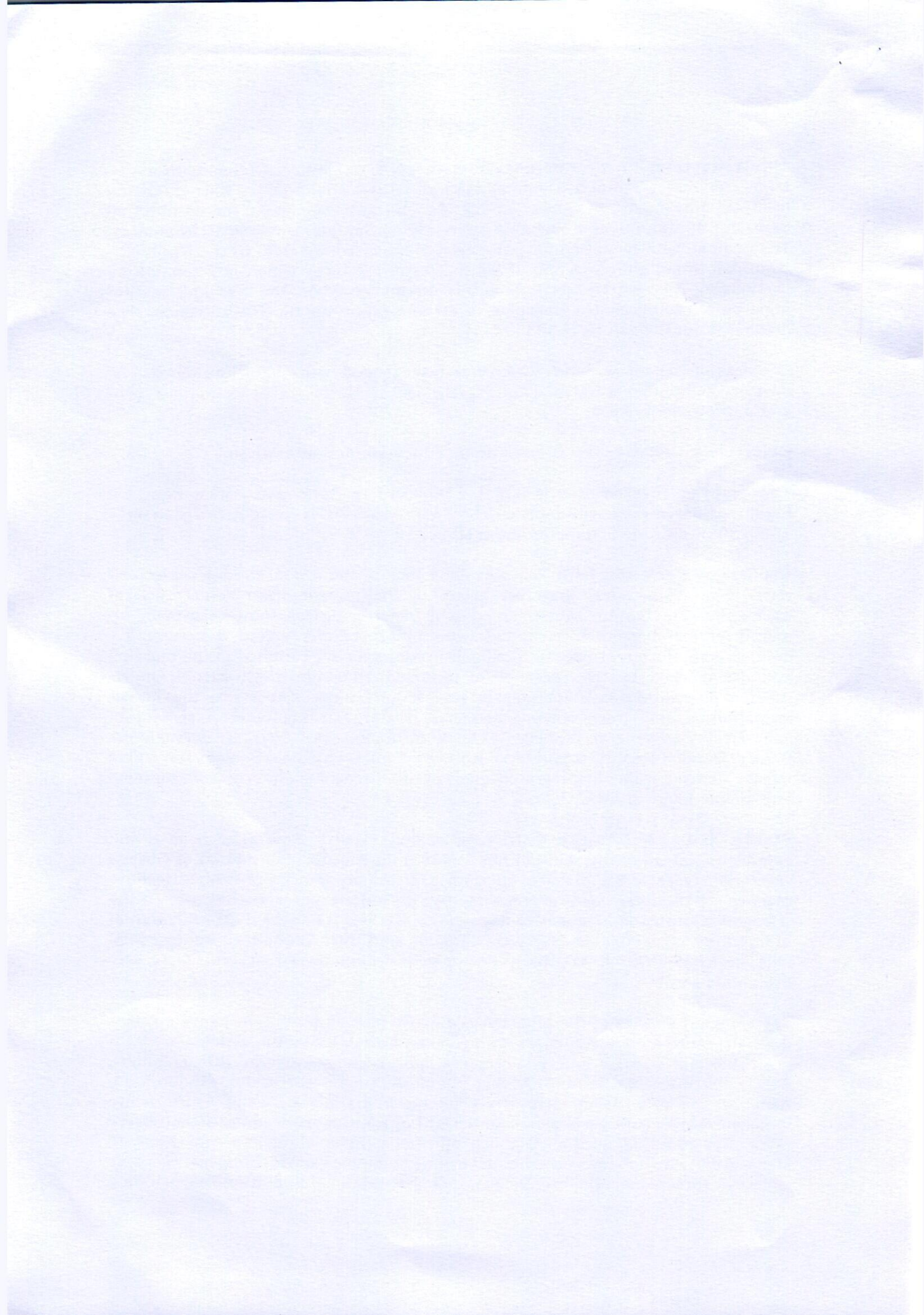
**Topography:** The zoo area is situated adjacent to Donimalai Forest Range of Sandur at flat surface with latitude 15° 2' 00" - 15°6'30" N. Longitude 76°36'00" - 76°38'30" E altitude 600 meter above MSL.

**Geology of Rock and Soil:** The prevailing rock of the are is Sandur schist belt referred as "Dharwars" (A super group of the pre-cambrian schist rock of Karnataka). The Sandur schist belt is highly deformed green stone belst made up mainly of metabasalts intercalated with minor sediments and a spectacular development of iron formation. Shelffacies sedimenta are confined to the margins and are marked by the presence of intercalated bands of Quartzite, Quartzschist's alternating with metablasts and amphibolites. These are the lowest formation in the green schist's sequence resting on the older basement of genessies. The general lithology of rock formation os Laterites, Ferruginous Shales, Banded Hematite Quartzite, Iron Ore banks, Phyllites/Shales. The soil is mostly derived from disintegrated gneiss with occasional quartzite formations and mostly Reddish sandy loam.

**FLORA AND FAUNA:** The district is located in arid zone. The scanty and capricious nature of the rain fall has greatly influenced the formation of varicus vegetation types of the district. The forest of this are can be presumed to have reached the climax of the region, dry deciduous forests that are being retrogressed to various stages of degradation. As per the revised classification of Indian forest types by sir. Harry G. Chamion and Shri S.K.Sethi the forest area falls under 5A/C3 of Southern dry mixed deciduous forest and 5DSI Dry deciduous scrub.

The common species of the adjacent are Agave sisalna and other agave splcies (Kathale), Acacia nilotica (Acacia Arabica, Jali, Kari Jali, Babul), Acacia auriculiformis (Bengal jail, Haladi-meese mara), acacia catechu (Kagli, Khair), Acacia Ferruuginea (Bannia), Acacia planiformis (Chhathri mara, Budde jail,), Albizzia lebbek (Bage), Artocarpus intergrifolia (Halasu Jack), Azardirachta indiaca (Neem, Bevu), Cassia siamea (seeme Thagadi), Casurina equisetifolia (Survey mara, Kyasarike, Cauarina), Emblica officinalis (Nelli. Mangifera indica (mava), Melia azderach (hebbevu, Huchchu bevu), Pongamia glabra, Honge), -Prosopis cineraria (prospopis juliflora) Bellary Jali, Santalum album (Gandha, sandal),







Tamarindas indicaq (hunase), Ficus bengalensis,(Indian Fig/ Indian Banyan), Mangifera indica etc.

The fauna found in the area Panthera (disambiguation, Mustela Africana, Lizard Lounge, (Sylvilagus floridanus), wild rabbit, (Rattus norvegicus), Tragulus meminna, (Mouse deer)- canis lupus (dos sp) Sus scofra domestica, Vulpes (Fox), (Cebus albifrons), Monkey Calotes versicolor (Lizard), Vipra ruselli, (snake)

**Climate:** The climate of the area can be classified as semi arid with free from extrames. The climate is tolerable at the mean temperature in the warmer months of April and May and in the coldest months of December and January. The temperature during day rarely exceeds 40° c on a few winter nights.

**Rainfall:-** The rainfall is received from south west and north east monsoon. The average number of rainy days is 39. The average annual rainfall is 750 MM.

**Season:-** Mid February to mid may are the summer and November to February are the colder months, The rainy season starts from May remains upto October.

**Approach:** The deer park is situated at Donimalai Iron Mine (DIOM). It is approachable by road from Sandur, which is 10Kms away. The nearest railway station for passenger traffic is Tornagallu in the Hubli-Guntakal broad gauge section of south western Railway which is 26 Kms from Doniamlai. The district town bellary is 58 Kms away on the NE and another important trading center Hospet is 40 Kms away on the NM direction. The distance from Bangalore is 325 Kms. The roads are mortable and asphalted..

**Demography:-** There are 46 Black Bucks (Antilope Cervicapra) species in Donimalai deer park, NMDC Limited, out of which 23 Female and 23 Male the cause of death usually natural.

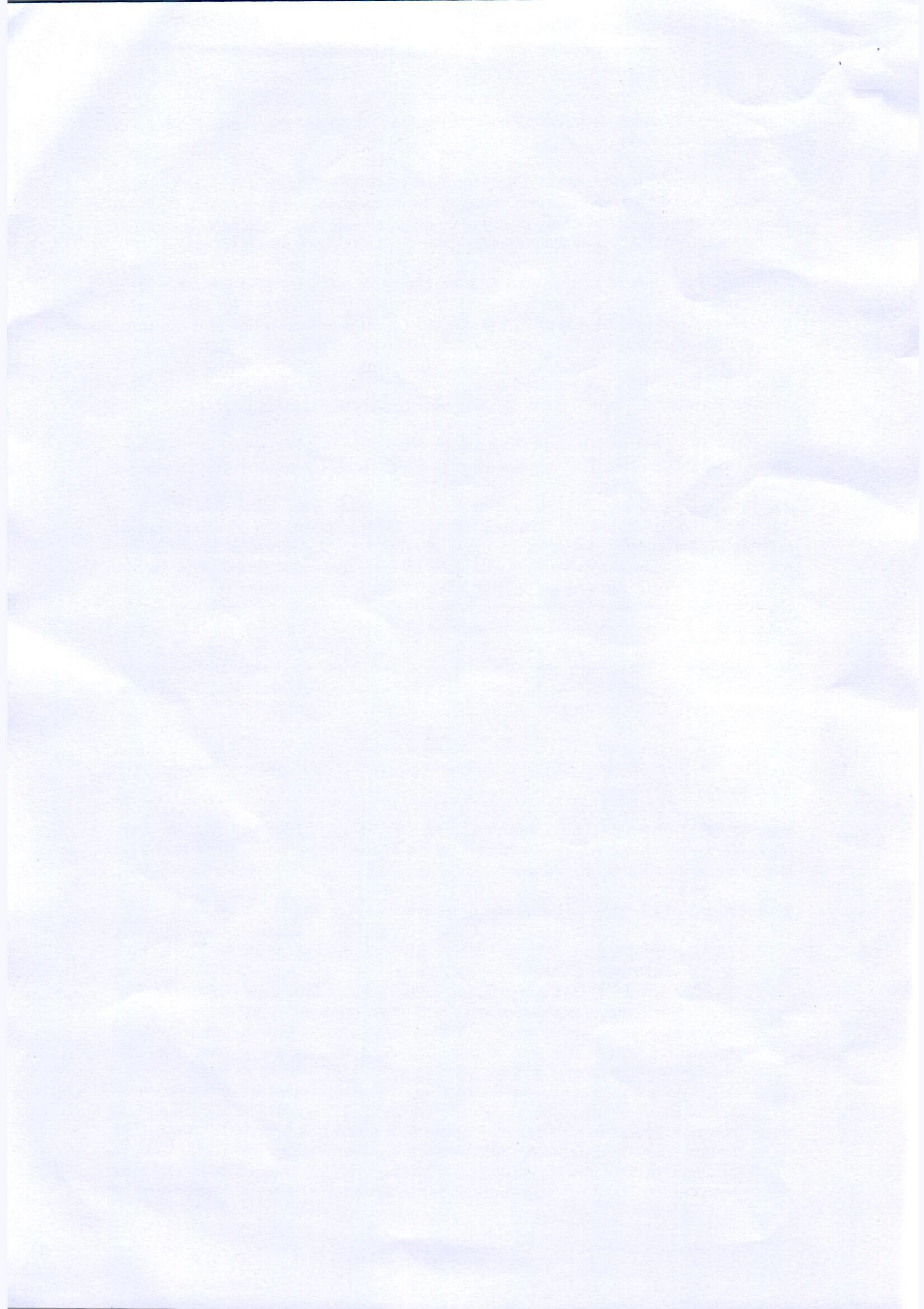
**Legal Statue:** The NMDC Limited, Donimalai deer park is recognized under section 38 Ha of the wild life (Protection) Act 1972 by the central Zoo Authority, New Delhi.

**Source of Pollution:-** The Donimalai Iron Ore Mine is 6Km away from Deer Park. There are huge hillocks which acts as a barrier between Mine and Zoo. Hence the Zoo is free from pollution.

## **2. Appraisal of the present arrangement and constraints:-**

- a) The Donimalai deer park at present has one enclosure for 46 black buck deer consisting of 23 Male and 23 Female.
- b) The Government veterinary doctor visits this Zoo four times in a year. The local veterinary doctor will visit as and when request are made.
- c) There is a permanent store house to keep the feed adjacent to animal enclosure. Where the feed stored. The feed will be purchased from the sandur poultry farm, Sandur.
- d) A far as sanitation is concerned there is no problem at all as the area gentle to moderate slope, the sanitered water is diverted to a safe place
- e) Annual regular maintenance of chain link mesh has been carried out. The fodder plot maintenance like watering, weeding, Farm Yard Manure application has been regularly. Shelter room for the animals is being maintained regularly. However the maintenance of Zoo is carried out in





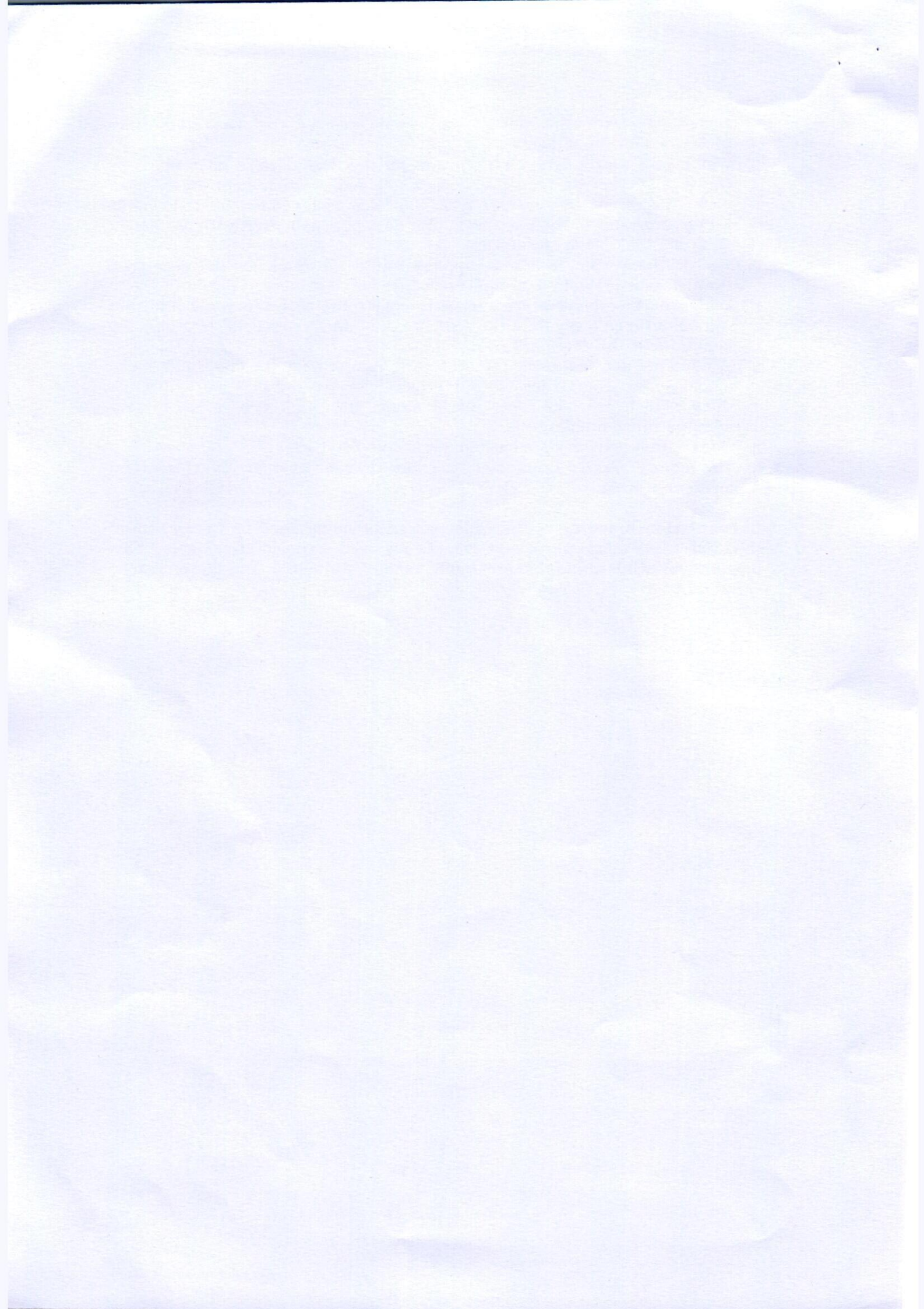


accordance with the norms and guidelines of the Zoo authorities prescribed for the antelopes.

- f) Watch and ward:- The main entrance of the deer park is near the CISF check post. Hence round the clock watch and ward is kept on the deer park. Apart from this one care taker has been assigned for the up keeping, watch and ward of the deer park. The deer park is fenced with 12' height GI Chain Link Mesh MS angles.
- g) The drinking water will be supplied round the clock for the deer park through pipe line laid to animal enclosure for cleaning and drinking.
- h) Daily wages employees are engaged to collect the waste material and that will be dumped away from the zoo. The dust and waste collecting bins are kept outside the deer park.
- i) Visitors are allowed to see the deer park from outside the chain link mesh fencing only. The visitors to our project can see the deer park through their vehicle as the deer park along the approach road to our administrative building.
- j) No research activities are carried out in this Zoo.
- k) The main Objective Donimalai Deer Park is conservation, Education and awareness.

**Conservation breeding:** - The conservation breeding shall be taken up in the Zoo to develop physically, genetically and behaviorally viable. This breeding in wild would be preferably among unrelated and have genetic variation.







## Part-II

### 1. FUTURE OBJECTIVES INCLUDING MISSION STATEMENT THEME:-

The existing area of Zoo is 5 Ha at present there is one enclosure for Black buck Deer numbering 46 Deers.

### 2. THE NEW ACTIVITIES TO BE TAKEN UP ARE AS FOLLOWS :

- A) Purchase of First Aid Kit
- B) Disposal of Solid waste and Liquid waste sewage to be upgraded

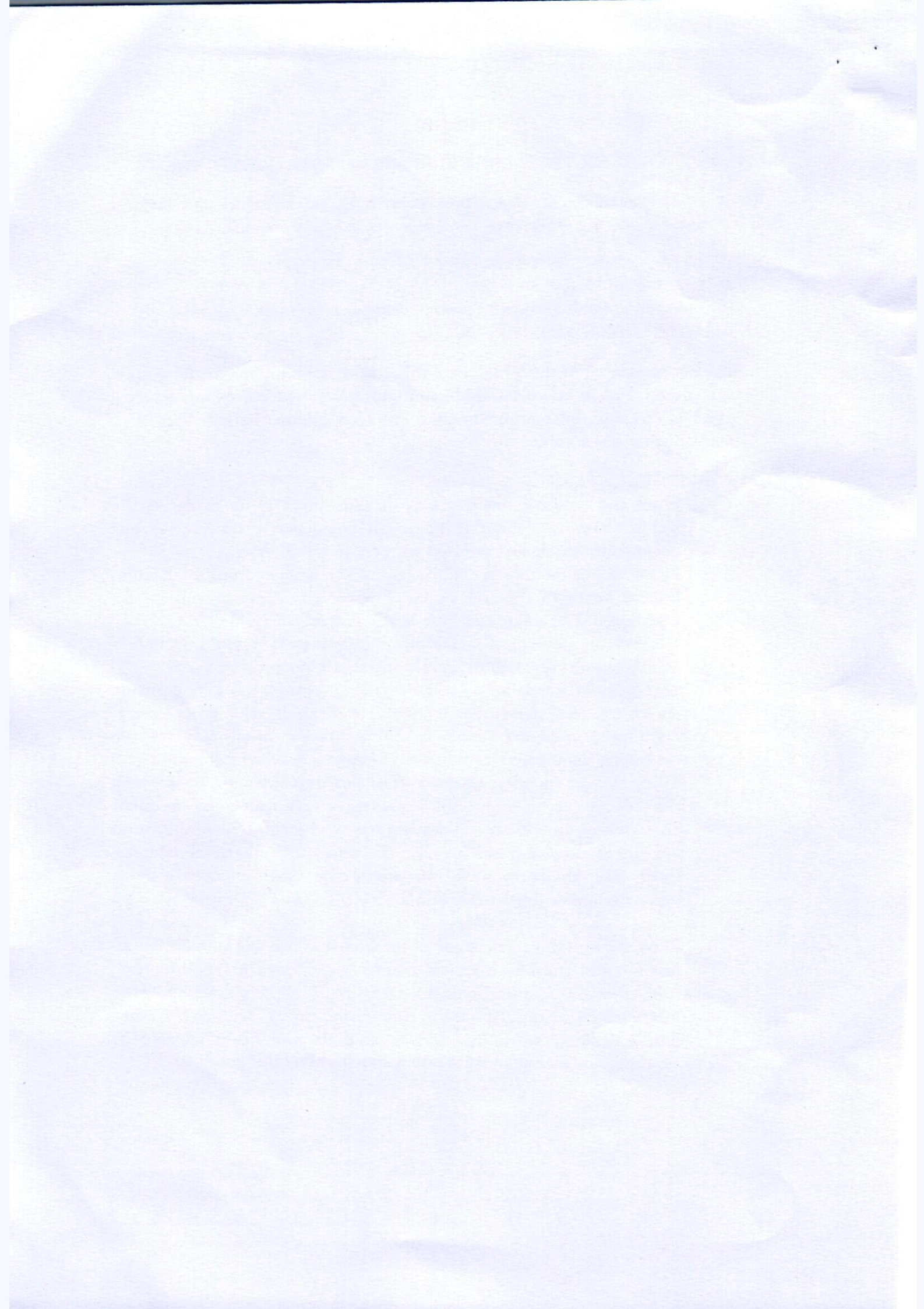
### 3. DISASTER MANAGEMENT PLAN

The Zoo is located in the forest area and during the summer the forest fire is common. Hence, there should be minimum 10M width fire line along the Zoo, Fire Fighting equipments and Fire Extinguisher is to be kept ready during the summer

### 4. CONTINGENCY PLAN

- 1 Since the antelope are being in the Zoo there is no threat to the public. However, there is no single incidence of animal escape because the enclosure is fitted with chain link mesh.
- 2 As far as dog menace is concerned the Zoo is away from the Human habitat hence there is not much dog problem. However, anti rabies injection has been kept reserve in the project Hospital.
- 3 There is no incident of snake bite, however anti venom injection is available in local hospital and in veterinary hospital
- 4 There is no incidence of visitors being injured or falling inside enclosure. The enclosure is a chain link mesh of 3.00Metres Height. Fighting for male dominance is seldom. In case of any injuries, the veterinary doctor from Sandur will be requested for treatment. Epidemics is common however this can be controlled by keeping the animal area clean, in providing clean water, by frequent changing of stored water spraying the disinfectant in and around animal Shelter and resting Zone. Taking the advice of doctors, these are the preventive measures. In case of break down Veterinarians will treat the animals.
- 5 Capacity Building: The some of the Zoo staff are working for longer periods and they have gained enough experience in handling Zoo problems and Captive animals. The skills of Zoo staff could be upgraded by giving training in Zoo management, animal behavior, handling of animals, first aid to animals and other aspects by visiting to other Zoo in the State will help many things.







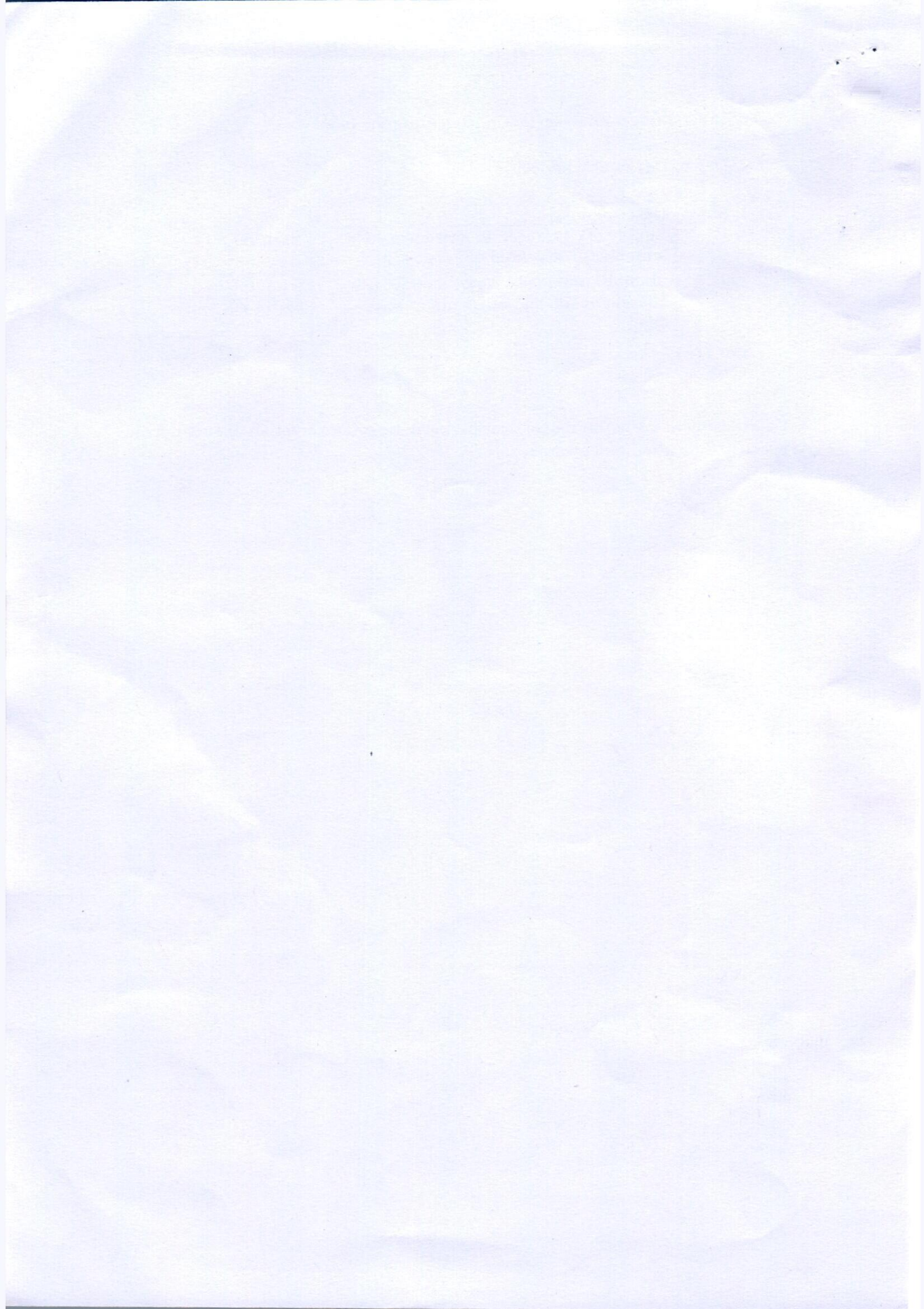
Broad budget analysis for implementing the plan

Day to Day maintenance:-

Sl.No	Description	Amount
1	Supply of cattle feed to antelopes 46 animals 0.75Kg/animal@ Rs.31/kg	Rs.1069.50
2	Animals' attender 1 Nos@ Rs.850/Day	Rs.850.00
3	Miscellaneous and other unforeseen charge	Rs.95.00
	Total/Day	Rs.2014.50

CONCLUSION: - Maintaining of deer park will help Conservation of endangered species, Education and awareness.



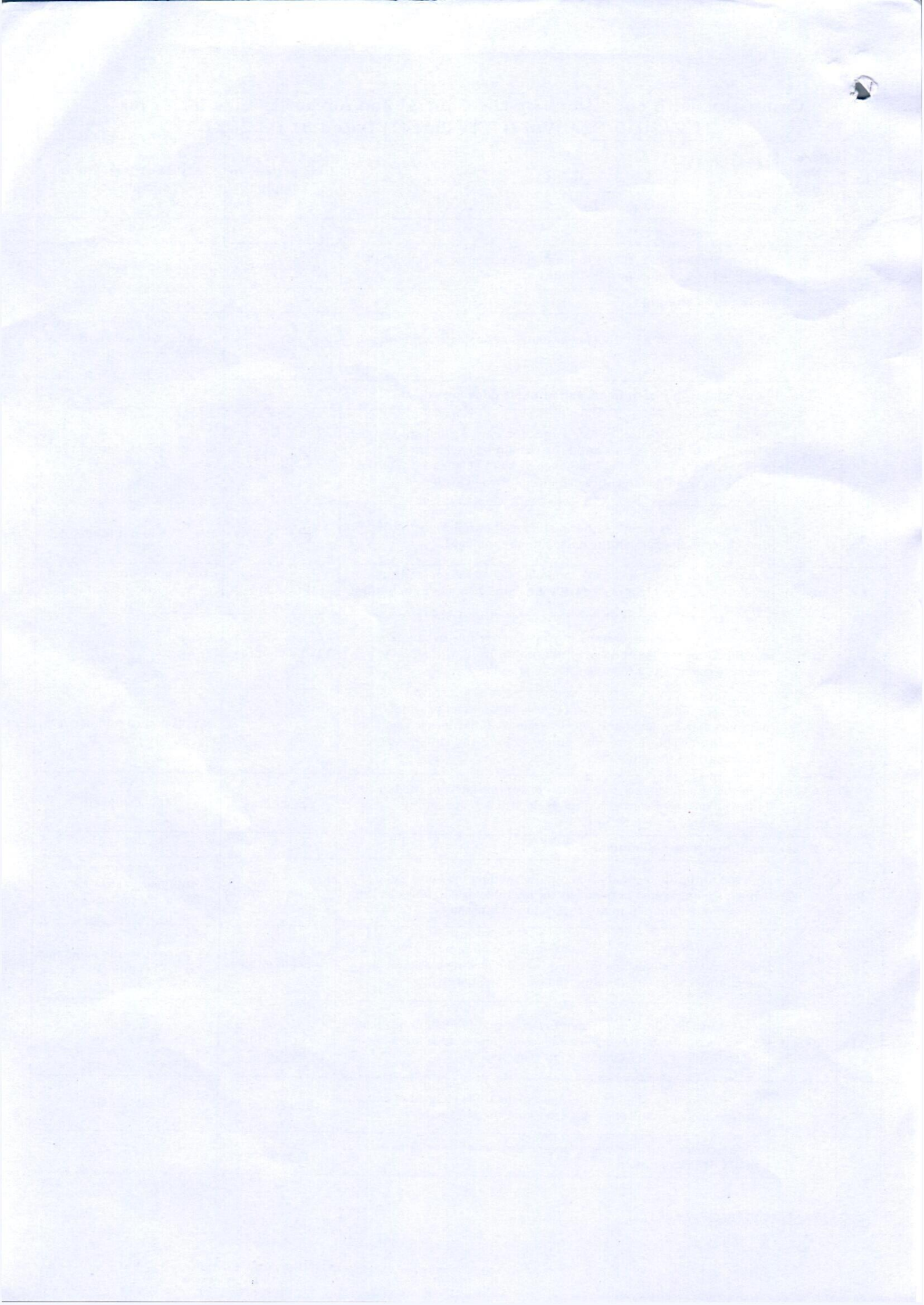




**Complains with conditions by the Central Zoo Authority vide letter no  
21-2/2019-CZA (Vol-I) (E) - Part-(1) Dated 31.03.2021**

Sl.	Norm No. under RZR	Condition	Time period to comply	Status with regard to complience
<b>1. General requirements:</b>				
1	10.1(1)	The zoo should make efforts to maintain population of physically, genetically and behaviourally healthy animals.	Immediately	It is complied
<b>3. Development and Planning :</b>				
2	10.3(1)	The zoo Should submit the Master plan for consideration of the Central Zoo authority	Three months	Soft copy Submitted on 14.10.2020 and Hard copy earlier submitted on 13.11.2019
<b>4. Animal housing, display of animals and animals enclosures:</b>				
3	10.4(2)	Although the enclosure spans a large area only a small subsection is used for housing animals and the remaining enclosure is cordoned off using a chain-link fence. It shall be ensured that the animals have access to entire expanse of the enclosure.	One month	Access is available and gate is provided
4	10.4(3)	The Water outlets should either be removed or redesigned to ensure that sharp projections in the enclosure are removed.	Three weeks	Removed and it is complied
5	10.4(3)	The currently used tree guards and old and rusted metal drums. It shall be immediately replaced with tree guards made from natural materials.	One month	Tree Guards removed and replaced with natural material with no thorns
6	10.4(3)	The covering of drainage traps in places accessible by animals should either be closed down or alternative fixed with suitable concrete cover that are levelled to the ground.	One month	As suggested, work completed
7	10.4(9)	The zoo should designate a visitor viewing area and provide appropriately designed and effective stand-off barriers to regulate movement of visitors, provide optimal viewing and cause least disturbance to the animals.	Two months	It is complied and barriers are provided
8	10.4(10) & 10.11(1)	The zoo should ensure installation of appropriately located bilingual signages containing the biological & behavioural information of respective animals.	Six months	It is complied
<b>5. Upkeep and healthcare of animals:</b>				
9	10.5(2)	The zoo authorities should take up the random food and water samples being tested periodically for microbiological, toxicological and any other contaminants at recognized laboratory.	One month	Drinking water is being supplied to Deer Park. Periodical test are being done.
10	10.5(3) & 10.5(4)	Multiple sheltered feeding platforms should be provided within the enclosure. It shall also be ensured that the feeding platforms are safeguarded from free ranging wildlife (macaques etc.)	Six months	As suggested, the same has been done
11	10.5(4)	At least two smaller compartments (around 100m <sup>2</sup> ) shall be created connected to the main enclosure for isolation of individuals in case of aggression or other management reasons.	Two months	Work Done
12	10.5(5)	The Zoo Directors shall ensure that enclosure is cleaned of extract left-over food, construction material from the enclosure.	Immediately	It is complied
13	10.5(5)	The practice of burning Waste materials inside the enclosure should be discontinued.	Immediately	It is complied







**Complains with conditions by the Central Zoo Authority vide letter no  
21-2/2019-CZA (Vol-I) (E) - Part-(1) Dated 31.03.2021**

Sl.	Norm No. under RZR	Condition	Time period to comply	Status with regard to compliance
14	10.5(5)	An area with the premises (but outside the enclosure) should be demarcated for the disposal of solid waste from the enclosure.		It is complied
15	10.5(8)	The Zoo should have written schedule of vaccination and deworming of different species of wild animals housed at zoo and the should also be displayed at the enclosure.	One month	Regularly vaccination and health check will be done by nearby Govt. Veterinary Doctor, Sandur
16	10.5(9)	All staff of the zoo involved with upkeep and healthcare of zoo animals screened against zoonotic diseases once every year and action appropriate should be ensured.	Immediately	It is complied
17	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.	Immediately	Regular records are maintaining to maintain health of Deers
<b>6. Veterinary and infrastructure facilities:</b>				
18	10.6(3) & 10.7(4)	A post-mortem and carcass disposal area should be created which is situated outside the enclosure.	Six months	The same is following till today
<b>9. Acquisition and breeding of animals:</b>				
19	10.9(9)	suitable population control measures shall be implemented to ensure that the ungulate population comply with the guidelines prescribed by the Central Zoo Authority.	Six months	The same as per CZA guidelines will be followed
<b>12. Visitors' facilities:</b>				
20	10.12(2)	The zoo should ensure availability of first -aid facilities including snake anti-venom and lifesaving drugs, readily available in the Zoo premises.	Immediately	First Aid kit is available in the premises of Deer Park and visitors can see the Deers outside from Chainlink mesh only
21	10.12(3)	The Zoo should ensure that viewing area is "Divyang Jan" friendly and have easy access. Further, wheelchair should also be readily available.	One month	Visitors can see the Deers from outside chainlink mesh only and not allowing inside the park premises



