



  
वन विहार राष्ट्रीय उद्यान एवं जू, भोपाल  
*Van Vihar National Park & Zoo, Bhopal*

# Annual Report 2020-21

Van Vihar National Park-Zoo, Bhopal

 **MUNNA 2002-2021**



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# Acknowledgements

I thank the Central Zoo Authority, Delhi, Secretary Forests and Operator of the zoo, Government of Madhya Pradesh, Chief Wildlife Warden Madhya Pradesh, and all the well wishers of Van Vihar. Special thanks to Dr Sanjay Shukla, IFS, Shri Mridul Pathak, Wildlife SOS, VCBC and MP Tiger Foundation Society.

## Photo Courtesy

Dr. Sanjay Shukla IFS, for photographs on page no. 20, 25 and Cover page of this book.

Shri Mridul Pathak, for photographs on page no. 2 & this page.

Syed Taha Pasha for photographs on page no. 3

Shri Rohan Singarpure for photographs of page no. 43, 46

Shri Naval Prasad Kushwah, Forest Guard Van Vihar for photographs on page number 45

Shri Dilip Kumar Batham, Forest Guard Van Vihar for photographs on page number 10, 29, 48

Shri Sachin Parsai, Forest Guard Van Vihar for photographs on page number 11, 24

Shri Kamlesh Chaturvedi, Forest Guard Van Vihar for photographs on page number 9, 13, 17, 18, 19, 27, 30, 31, 41, 42, 43, 44.

## Report of Officer-In-Charge



Last year 2020-21 was a test for Van Vihar management during pandemic of Covid-19, nevertheless tough time passed successfully with not a single incidence of infection among wild animals as well as in zoo keepers, thanks to firmly instructions by Central Govt. State Govt. and specially C.Z.A. Covid-19 protocol was strictly implemented to begin with staff work shop, setting up entry of vehicle with tyre bath at entrance then temp. check up, sanitization, social distancing, mask bearing of tourist, zoo personnel with protective gears, rinsed food to carnivores with disinfected housing thrice a day leads to success.

Consecutive second year very long and heavy rainfall occurred, which brought lot of damages to display enclosures particularly resulted in collapse of moat wall at several places.

Keeping object in mind to manage wild animals in captivity and in free ranging, also to develop amongst visitors empathy for wild animals and motivate them to support the causes of conservation of wildlife.

Many of new work and renovation of old housings and enclosures were taken up in Gaur bada, Lion bada, leopard bada, Mugger and Ghadiyal bada. Moat wall repaired at tiger trail and out flow drain constructed at Barasingha bada. Renovation of butterfly park, Vihar Vithika interpretation centre and two new toilets in tourism zone were constructed.

Live telecast of sun set stories, Tiger day celebrations, and Spectacular show of State Wildlife Week were major attraction with restricted number of participation of schools, childrens, bird watchers, teachers, professionals in different activities by on line and offline. A total 959 students participated in 19 events in week long celebration of State Wild Life Week. Launching of Van Vihar facebook page and online ticket booking on M.P. online portal were added. Vulture estimation report 2019 by Van Vihar and winter bird count of Van Vihar along with Bhoj Wetland published by Bhopal Birds with active collaboration of VVNP-Zoo.

Rescue of one sloth bear, three tigers and two leopard were carried out successfully and from these rescued animals one sloth bear, one tiger and one leopard were rehabilitated in their natural habitat but two tigers and one leopard were found unfit so they were housed in Van Vihar. Rescue Center in Van Vihar actively working to treat abandoned, Stressed, orphaned, wild animals properly.

With great sorrow to accept loss of Munna "Most photographed tiger of Kanha".

The Vulture conservation Center Kerwa, continues with conservation efforts in collaboration of B.N.H.S. similarly Wildlife S.O.S. did remarkable job for Sloth bears' well being.

Van Vihar team under guidance of director and assistant director has completed herculean task of systematizing 5 decade history of Van Vihar. Van Vihar continuously marching on ahead to work in welfare of wildlife. Process of collaborating with Zurich Zoo Switzerland, would be another milestone to upgrade Van Vihar Zoo at global standard.

H.C. GUPTA



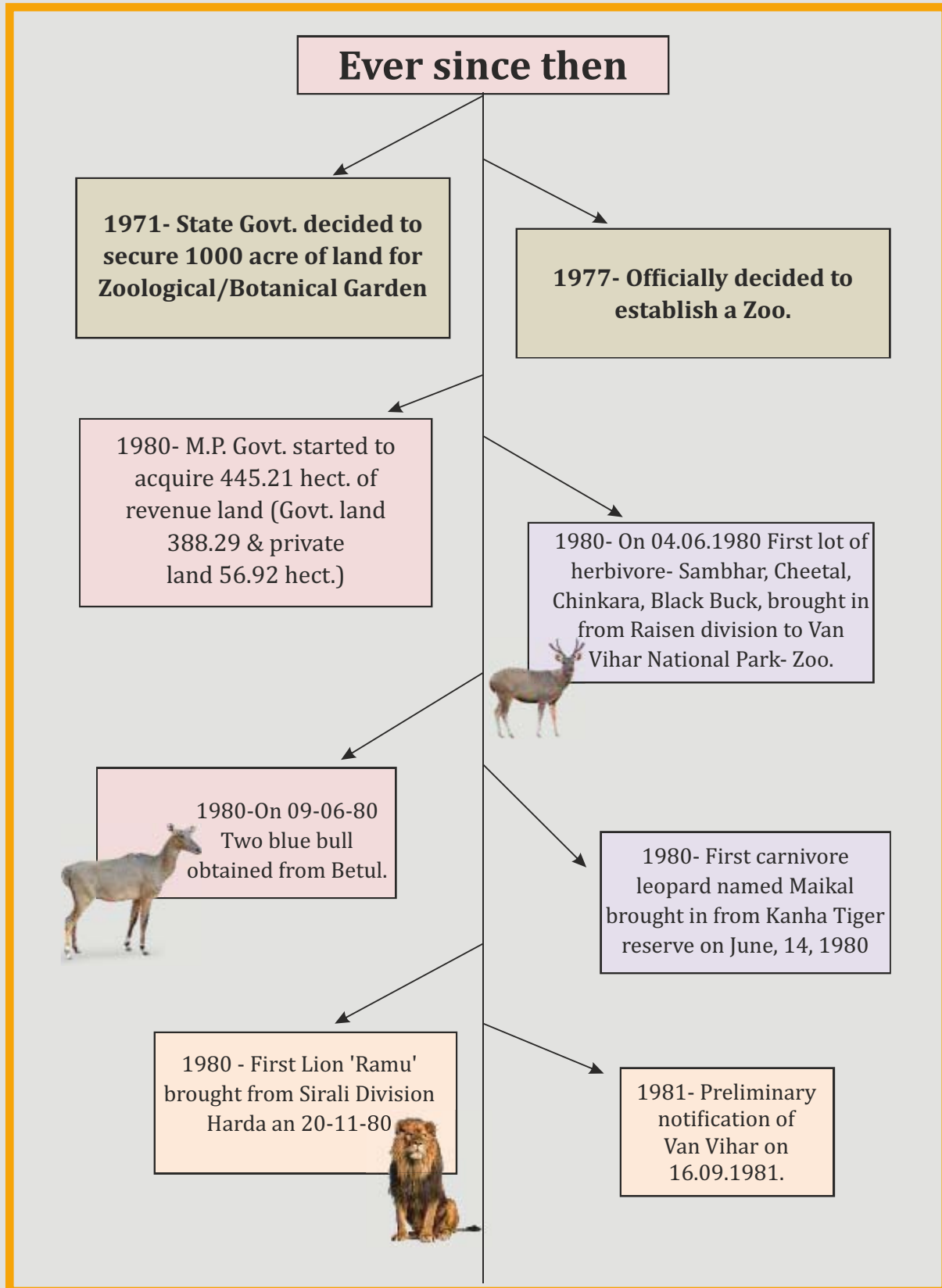


## History of the Zoo

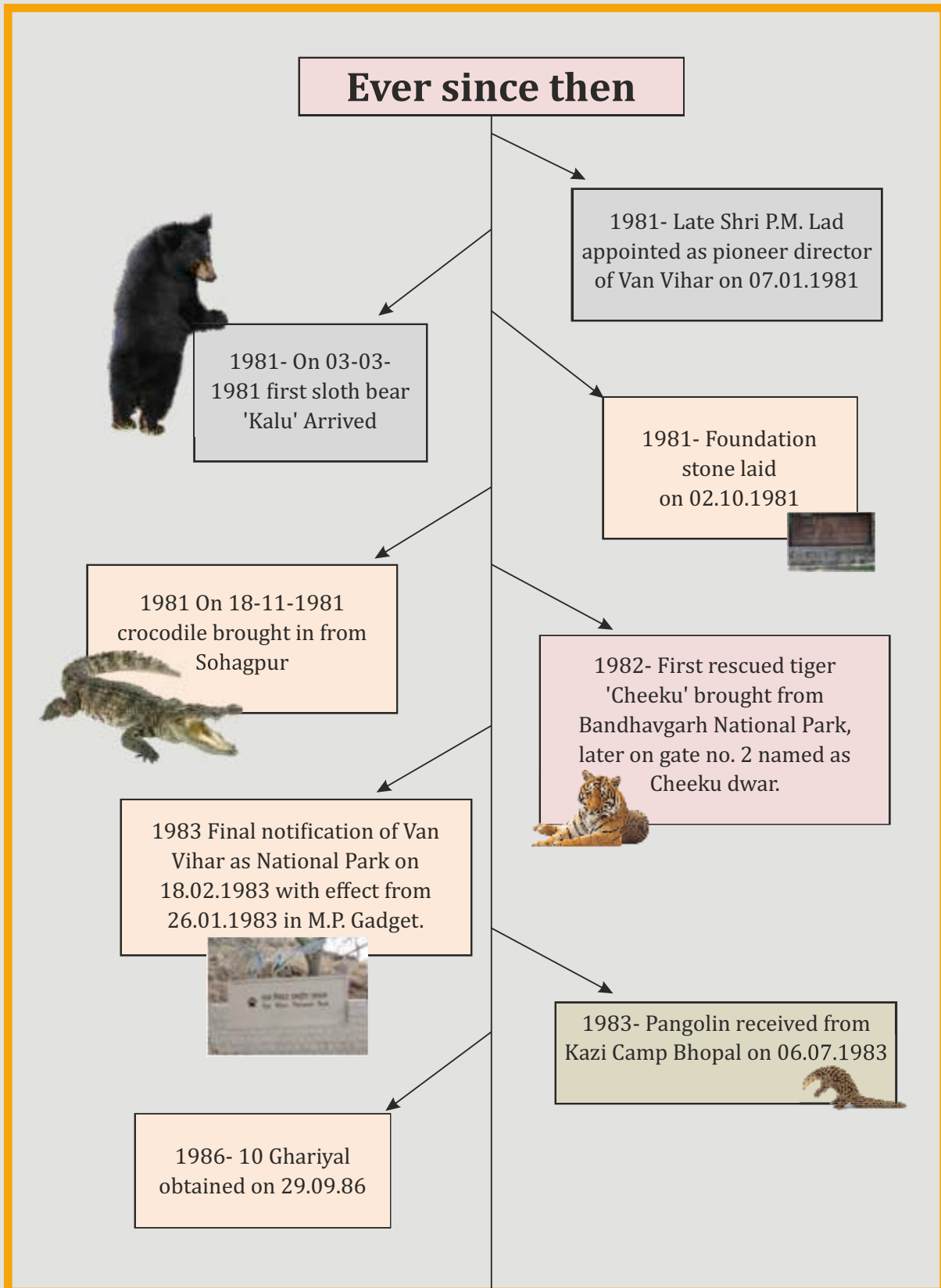
*Van Vihar history dates back four decades and is an excellent example of eco-restoration, which reflects the resurrective power of nature. Since its inception in 1981 it underwent land-use change. Being situated on the banks of the upper lake in Bhopal and due to its proximity to important places in the city, the entire area was prone to encroachment by land developers and miners. A number of illegal stone quarries were operational in the area. Looking at the above problems and realizing the importance of conserving the area, it was decided to provide this area legal protection under Wildlife (Protection) Act 1972. The entire area of 445.21 hectares was a revenue land of which 388.39 hectares were with government and 56.92 hectares were privately owned. A Compensation of Rs. 23.52 lakhs were paid and these private land was acquired and final notification of Van Vihar National Park was published in 1983. After acquisition, the area was enclosed with boundary wall and chain link fence. What was once a scarred stony barren landscape forty years ago, is now a lush forest teeming with vegetation and animals.*

### Van Vihar in Eighties

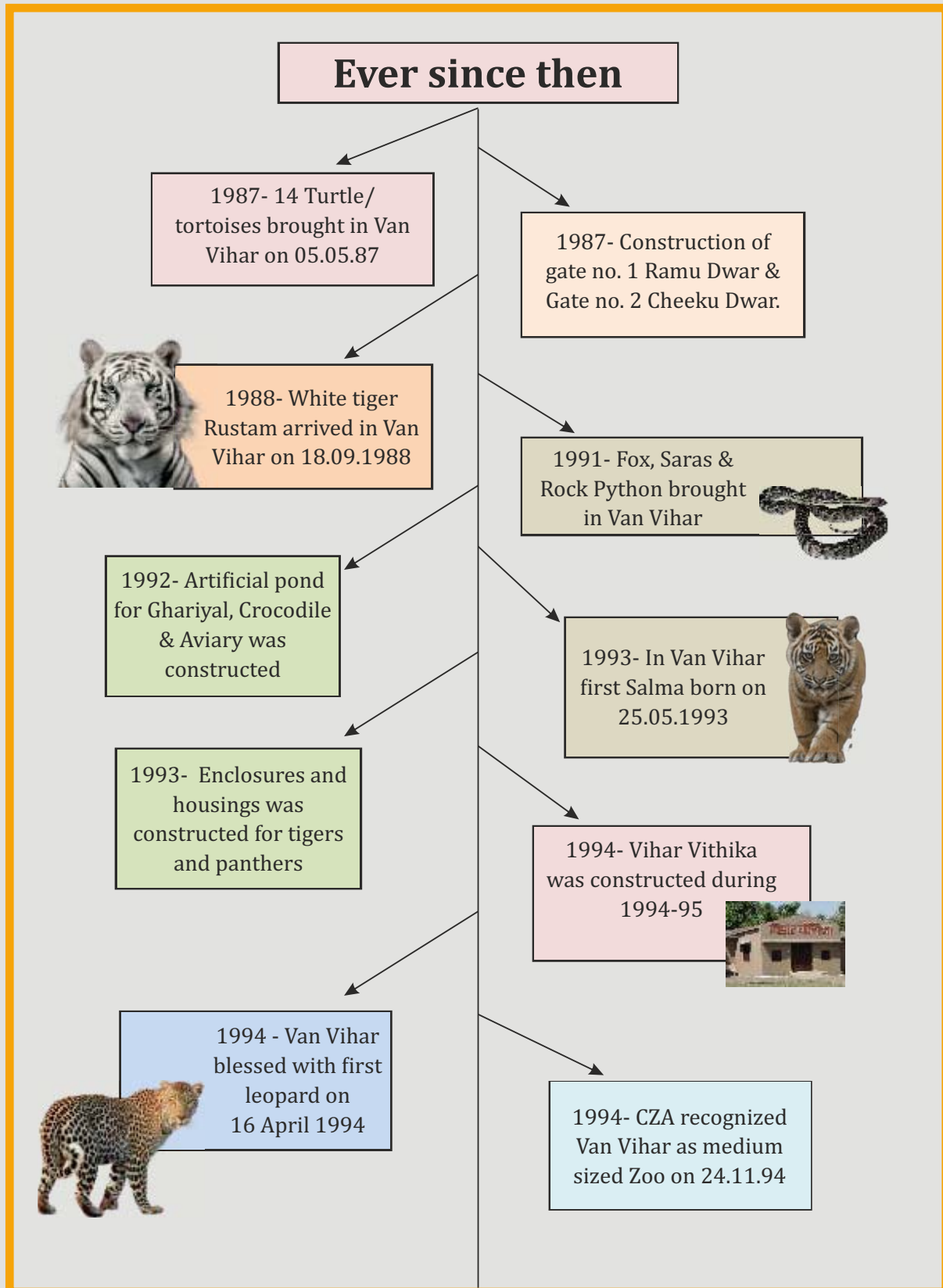
# Time Line of Van Vihar National Park-Zoo Bhopal



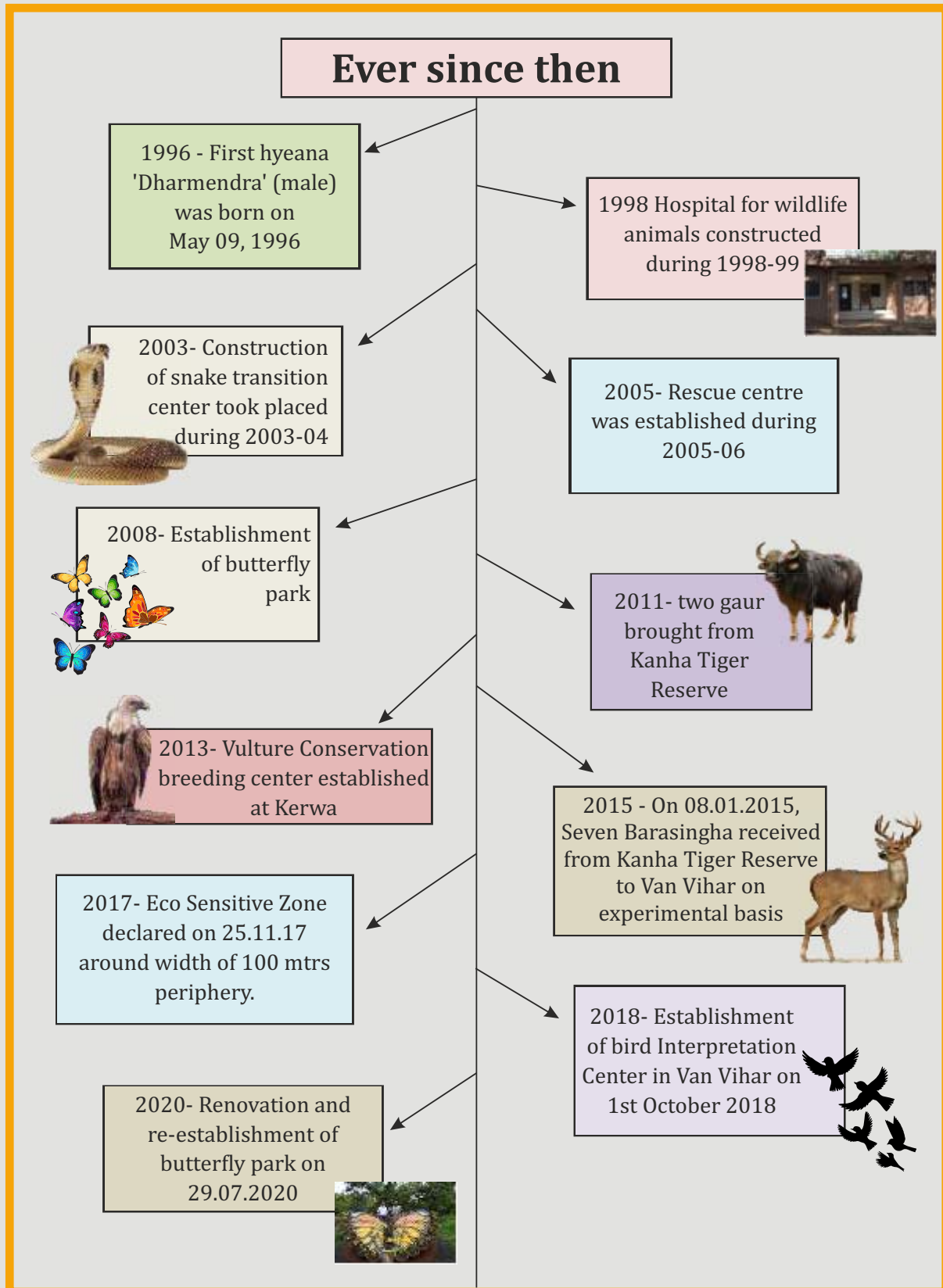
# Time Line of Van Vihar National Park-Zoo Bhopal



# Time Line of Van Vihar National Park-Zoo Bhopal



# Time Line of Van Vihar National Park-Zoo Bhopal







## Vision

*To become a scientific institution engaged in animal welfare and conservation of wildlife. To be known as a centre of knowledge on effective techniques for maintaining good health and upkeep of resident animals and an example of natural ambience and pollution free environment.*



## Mission

- I. Compliment the national efforts in conservation of wildlife through planned coordinated conservation breeding of endangered wild animal species of Central India.
- II. Develop amongst visitors, empathy for wild animals and motivate them to support the cause of conservation of wildlife.
- III. Develop amongst the visitors an understanding about the ecological linkages with the life supporting processes of nature and the need for keeping them intact by adopting sustainable life styles and living in harmony with nature.
- IV. Enhancing the role of zoos in conservation of wildlife through collaborative research aiming at attaining management skills for in-situ population and carrying out advocacy for protecting the wild animals and their natural habitat.
- V. To act as Rescue Centre by receiving and keeping orphaned, seized, rescued, injured wild animals subject to availability of appropriate housing for the same.



## Objective

Van Vihar was set up with the following broad objectives in view:

- I. To manage in captivity the wildlife of central India along with animals from other bio geographic regions of India in near-natural simulated habitat conditions to serve as a repository of genes and in-case of further expansion of the area of the zoo some rare exotic species can also be displayed in that area.
- II. To pursue conservation breeding of some rare and endangered species like- Tiger, Asiatic lion, Gyps vultures and Hard ground Barasingha etc.
- III. To provide the visitors, through a well-designed 'Interpretation programme' an opportunity to enjoy, experience, understand and appreciate nature and the need to conserve wildlife.
- IV. To carry out appropriate studies to strengthen both in-situ and ex-situ wildlife management.
- V. To serve as rescue center in Madhya Pradesh for orphaned, weak, diseased, injured and aged animals found unfit for release in the wild as well as those rescued from traditional animal performers and Circuses.



## Basic Information About The Zoo

S.No.	Particulars	Information
Basic Information about the Zoo		
1	Name of the Zoo	Van Vihar National Park - Zoo, Bhopal
2	Year of Establishment	24.11.1994
3	Address of the Zoo	Van Vihar National Park - Zoo, Bhadbhada Road, Bhopal, M.P. - 462003
4	State	Madhya Pradesh
5	Telephone Number	0755-2674278
6	Fax Number	0755-2674278
7	E-mail address	dirvvnp.bpl@mp.gov.in
8	Website	mpforest.gov.in www.vanviharnationalpark.org
9	Distance from nearest	
	Airport:	about 17 km.
	Railway Station:	about 7 km.
	Bus Stand:	about 8 km.
10	Recognition Valid upto (Date)	19 August 2022
11	Category of zoo	Small
12	Area (in Hectares)	445.21 hectares
13	Number of Visitors (Financial Year)	Adult and Children : - 362664
		Total Indian : 362664
		Total Foreigners : -
		Total Visitors: 362664

#### 14. Visitor Facilities available in Zoo

*Food Kiosks and Restaurant*  
*Drinking water*  
*Public Toilets*  
*Deer Safari*  
*Night Safari*  
*Battery Operated Vehicles on Rent*  
*Walk-in educational workshops*  
*Bicycles services for the visitors on rental basis*  
*Sit-outs and Rain-shelters*  
*Wheel Chair (Free of Cost)*  
*Interpretation Centre*  
*Open Amphitheatre*



#### 15. Weekly Closure Day of the Zoo

**Friday**

#### 16. Management Personnel of the Zoo



Name with designation of the Officer in-charge	H.C. Gupta, I.F.S. (1998)
Name of the Veterinary Officer	Dr. Atul Gupta
Name of the Curator	Shri Ashok Kumar Jain

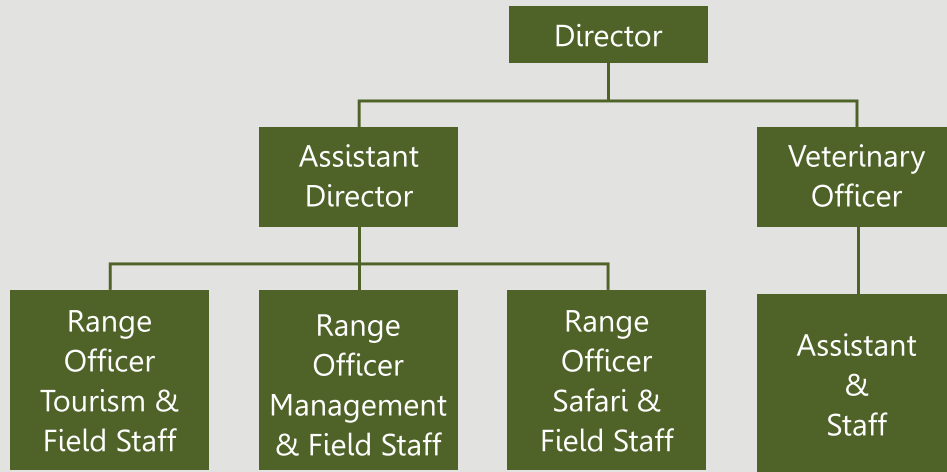
#### 17. Owner/Operator of the Zoo

17. Name of the Operator	Smt. Padampriya Balakrishnan (I.F.S.)
18. Address of the Operator	Secretariat, MP Govt. Vallabh Bhawan Bhopal
19. Contact details/ Phone number of Operator	0755-2579747
20. E-mail address	secyforest@mp.gov.in

## ENTRY FEE AND OTHER CHARGES

S.N.	Particulars	Educational / Research / Govt. of India & State Govt. Dept. & Inst.	Fee per person	
1	Pedestrians( Only entry Without Vehicle per person above five years)	Rs 10	Rs 20	
1	Cycle ( One person)	-	Rs. 30	
2	Two wheelers (Max. two person)	-	Rs. 60	
3	Auto Rickshaw (1- 4 person)	-	Rs.120	
4	Light vehicle - (up to 5 person cap.)	-	Rs.250	
5	Light vehicle - (above 5 person cap.)	-	Rs. 400	
6	Mini bus (20 person cap.)	-	Rs.1000	
7	Bus (above 20 seater)	-	Rs. 2000	
8	Battery Operated Van Ticket (each)	-	Rs. 50	
9	Safari by govt. vehicle	-	Rs. 50	
10	Night Safari                      Adult		Rs. 200	
11	Night Safari                      Children (6-12 yrs)		Rs.100	
12	Tele-film/Tele documentary/ Still photography (1 to 7 days) /camera man/ day	Rs.5000	Rs.10000	
13	Tele-film/Tele documentary/ Still photography (8 to 15 days) /camera man/ day	Rs.3750	Rs.7500	
14	Tele-film/Tele documentary/ Still photography (16 to cont.) /camera man/ day	Rs.2500	Rs.5000	
15	Morning walk	Monthly Rs.300	Yearly Rs. 3000	Life time Rs. 24000
16	Morning walk with Cycling	Rs.450	Rs. 4500	Rs. 30000

# Organisational Chart



Assistant Director



Veterinary Officer



Unit In-charge  
Tourism



Unit In-charge  
Safari



Unit In-charge  
Management



Night Patrolling  
in charge

## Human Resources

S.No.	Designation	Sanctioned Strength	Working Strength	Vacancy
Administrative personnel				
	Director	1	1	0
	Assistant Director	1	1	0
	Veterinary Officer	1	1	0
	Superintendent	1	0	1
	Stenographer	1	0	1
	Assistant grade-I	1	1	0
	Accountant	1	0	1
	Assistant grade-II	2	1	1
	Cinema Operator	1	1	0
	Draftsman	1	1	0
	Assistant Grade-III	4	4	0
	Driver	2	2	0
	Peon	2	2	0
	Daftari	1	1	0
Executive Personnel				
	Range Officer	6	5	1
	Deputy Ranger	3	0	3
	Forester	10	7	3
	Forest gaurd	43	40	3
	Animal Keeper	-	56	-

## RETIREMENTS AND TRANSFERS DURING THE YEAR

### Left Us:-

- Shri L.N. Keer, Deputy Ranger retired from service on 31.07.2020
- Shri Radhe Shyam Joshi, Sthayee Karmi retired from service on 31.08.2020
- Shri Rewa Ram Pal, Sthayee Karmi retired from service on 30.09.2020
- Shri Kishan Bhandari, Sthayee Karmi retired from service on 31.10.2020
- Shri Rahul Singh, Forest Guard resigned on 30.11.2020
- Shri Gopal Kewat, Forester retired from service on 30.11.2020
- Shri Ramesh Chanda Nagar Sthayee Karmi retired from service on 31.12.2020
- Smt. Kamalika Mohanta I.F.S. Director, was relieved on transfer on 12.02.2021

### Joined Us:-

- Shri Deendayal Upadhyay Forest Guard joined on 04.06.2020
- Shri Ashish Gupta Forest Guard joined on 18.06.2020
- Shri Abhishek Gond Forest Guard joined on 07.07.2020
- Shri Ajay Kumar Yadav I.F.S. joined as Director, on 15.02.2021



**Van Vihar Team**



## Capacity Building of Zoo Personnel

- Capacity building workshop for Field Personnel was organized on Vulture Conservation identification, behavior and breeding on 05.09.2020 where total 42 participants were addressed by Director Smt. Kamlika Mohanta, Assistant Director Shri A.K. Jain and Shri Rohan Sringarpure Manager Vulture Conservation and Breeding Centre, Bhopal on the occasion of INTERNATIONAL VULTURE AWARENESS DAY.
- Training module for Animal keepers and Zoo Personnel was organized on 24.11.2020 on Zoo Establishment Day of Van Vihar where 48 staff and animal keepers participated.
- Winter Bird Counting cum training carried out from Dec 7&8, 2020 and on Feb 2, 2021 on cooperation with Bhopal birds where 60 Van Vihar staff and volunteers participated.



## Exposure Visits

- Shri Deendayal Upadhyay, Jasman Singh Raghuvanshi & Vinod Jatav Forest guards attended Zoo Keepers online training on Captive Management of reptiles since 14.02.21 to 18.02.21 organised by Kamla Nehru Zoological Garden Kankariya Ahmedabad Gujrat.
- Shri Roop Kumar Meher Forest Guard attended online training since 15.03.21 to 17.03.21 on Captive Management of reptiles organised by Kamla Nehru Zoological Garden Kankariya Ahmedabad Gujrat.

## Zoo Advisory Committee

- Proposal has been sent to Govt. of M.P. through C.W.L.W. M.P. approval is awaited.



# Health Advisory Committee

**Date of constitution** - 11.10.2017 First meeting was held on 29.10.2020

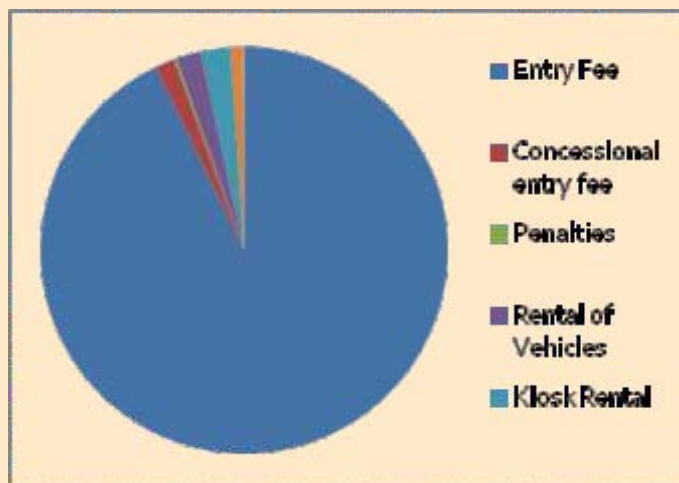
**Members** - Director Van Vihar, Assistant Director, Van Vihar, Dr. Atul Gupta, Veterinary Officer, Van Vihar, Special invitees: Dr. Kajal Jadhav, Assistant Professor, School of Wildlife Forensic and Health, Jabalpur, Dr. S.K.Tumadiya, Assistant Veterinary Surgeon State Veterinary Hospital Bhopal , Veterinary Officer Wildlife SOS Van Vihar Bhopal, Range Officer Safari, Range Officer Management, Range Officer Tourism and concerned animal keeper



## FINANCES

S.No	Activity	Type	Revenue generated
1	Entry Fee	Pedestrians	1229700
		Bicycles	489550
		Two Wheelers	3625900
		Three Wheelers	431880
		Four Wheelers	8053350
		Buses	55000
2	Concessional Entry Fee (in all categories)		5590
3	Rental Fee for Safari Vehicle and Battery Operated Vehicle		318250
4	Yearly Entry Pass Issue		253450
5	Outsourcing of Kiosks		268262
6	Fines and Penalties		55300
7	Bank Interest		6024
8	Other Miscellaneous		87776

The total Annual Revenue generated for the financial year 2020-21 is Rs. 14790640



## Visitors and Revenue Generated in Last Ten Years

S.No.	Year	Number Of Visitors	Revenue generated by Visitors
1	2011-12	307107	9139680
2	2012-13	350256	1081640
3	2013-14	385209	15208550
4	2014-15	510496	16907630
5	2015-16	402670	28106335
6	2016-17	419545	22193918
7	2017-18	566084	20873715
8	2018-19	616804	23131530
9	2019-20	549563	21195595
10	2020-21	362664	14790640

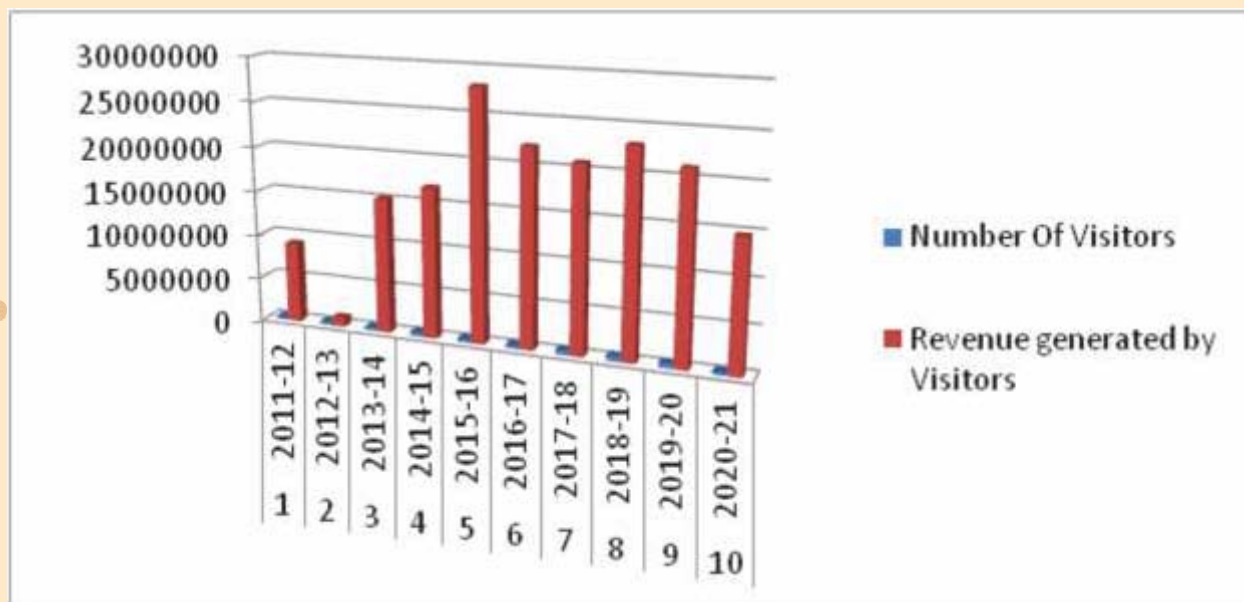


Figure 1.Share of Different Parameters in Yearly Revenue

## Statement of income and expenditure of the Zoo

S. No.	NAME OF PLAN	ALLOTMENT	EXPENDITURE
1.	10-2046 NON PLAN (2899)	57523310	56901893 (includes exp. from central server)
2	10-4406 PLAN (7882)	100000	30585
3.	10-2046 PLAN 3730- Central Assistance	5418500	4334166
4.	PARK DEVELOPMENT FUND	25536928	20789766
5	10-2406-5317	300000	295422
6	10-2216-6218 maintenance of building	76000	74500
7	10-2406-6355	3700000	3685646
8	10-4406-4342	600000	576293
9	CZA	2530300	2527265
10	Tiger Foundation Society	5494598	5274811



## Daily feed Schedule of Animals

S.No.	Species	Feed Item	Quantity		Day of Fasting
			Summer	Winter	
1	Tiger	Buffalo meat	7-9 kg/day	8-10 Kg/day	Friday
2	Lion	Buffalo meat	6-8 kg/day	6-8 kg/day	Friday
3	Leopard	Buffalo meat	3-3.5 kg/day	3.5-4kg/day	Friday
4	Hyena	Buffalo meat	2-3kg/day	2-3kg/day	Friday
5	Jackal	Buffalo meat	1.5-2kg/day	1.5-2kg/day	Friday
6	Sloth Bear	Morning : Mixed Flour (Sorgum, Corn, Barley, Wheat and Bajra) Balls of 05 flour with 10g salt Egg boiled	535 g  01 No.	535 g  01 No.	-
		Honey	50 gm	50 gm	
		Dates	100 gm	100 gm	
		Vegetables	150 gm	150 gm	
		Afternoon : Fruits (seasonal)	01 kg	01 kg	-
		Evening : Daliya	350 gm cooked in 07 lts water	350 gm cooked in 07 lts water	-
		Milk	01 Lts	01 Lts	
		Banana	02 no	02 no	



S.No.	Species	Feed Item	Quantity		Day of Fasting
			Summer	Winter	
7	Gour	Dry and Green Fodder along with Sudana and Salt lick	Dry and Green Fodder along with 03 Kg Sudana and Salt lick	Dry and Green Fodder along with 03 Kg Sudana and Salt lick + Jaggery-01 kg	
8	Chowsingha	Dry and Green Fodder along with Sudana and Salt lick	As per requirement + 150 g Sudana	As per requirement + 150 g Sudana	
9	Crocodile and Gharihal	Buffalo meat	15 kg/ day for all	15 kg/ day for all	
10	Turtle	Buffalo meat	03 kg/alternate day for all	03 kg/alternate day for all	
11	Star Tortoise	Vegetable	100-150 gm/day	100-150 gm/day	



## Vaccination Schedule of Animals

S. N.	Species	Disease vaccinated for	Name of Vaccine	dosage	quantity used	Perio- dicity	Remarks
1	Tiger	Feline Rhinotracheitis+Calici+Panleukopenia	Fel-o-vax	Single	01 ml	Yearly	
2	Leopard	Feline Rhinotracheitis+Calici+Panleukopenia	Fel-o-vax	Single	01 ml	Yearly	
3	Lion	Feline Rhinotracheitis+Calici+Panleukopenia	Fel-o-vax	Single	01 ml	Yearly	
4	Hyena	Rabies	Raksharab	Single	01 ml	Yearly	
		canine distemper, canine adenovirus, canine parvo, canine parainfluenza canine leptospirosis	Nobivac DHPPI+ Lepto	Single		Yearly	
5	Jackal	Rabies	Raksharab	Single	01 ml	Yearly	
		canine distemper, canine adenovirus, canine parvo, canine parainfluenza canine leptospirosis	Nobivac DHPPI+ Lepto	Single		Yearly	
6	Sloth Bear	Rabies		Defencer		Yearly	
		canine distemper, canine adenovirus, canine parvo, canine parainfluenza, canine leptospirosis		Vanguard plus 5L4		Yearly	

## De-worming Schedule of Animals

S.N.	Species	Drug used	Periodicity	Month
1	Tiger	Praziqintal+ Ivermectin, Albendazole, Praziqintal+ Pyrantel Pamoate, Fenbendazole, Albendazole,	Quarterly	June, Sep., Dec., March
2	Leopard	Praziqintal+ Ivermectin, Albendazole, Praziqintal+ Pyrantel Pamoate, Fenbendazole, Albendazole,	Quarterly	June, Sep., Dec., March
3	Lion	Praziqintal+ Ivermectin, Albendazole, Praziqintal+ Pyrantel Pamoate, Fenbendazole, Albendazole,	Quarterly	June, Sep., Dec., March
4	Hyena	Praziqintal+ Ivermectin, Albendazole, Praziqintal+ Pyrantel Pamoate, Fenbendazole, Albendazole,	Quarterly	June, Sep., Dec., March
5	Jackal	Praziqintal+ Ivermectin, Albendazole, Praziqintal+ Pyrantel Pamoate, Fenbendazole, Albendazole,	Quarterly	June, Sep., Dec., March
6	Sloth Bear	Fenbendazole, Albendazole+ Ivermectin, Praziqintal+ Pyrantel Pamoate+Febantel	Quarterly	May, August, Nov., Feb.
7	Gour	Albendazole, Fenbendazole	Quarterly	June, Sep., Dec., March



## DISINFECTION SCHEDULE

S.N.	Species	Type of enclosure	Disinfectant used and method	Frequency of disinfection
1	Tiger	Housing	Fumigation	Monthly
2	Tiger	Housing	Bleaching powder	Monthly
3	Tiger	Housing	Lyzol	Daily
4	Tiger	Water hole in enclosure	lime	fortnight
5	Lion	Housing	Fumigation	Monthly
6	Lion	Housing	Bleaching powder	Monthly
7	Lion	Housing	Lyzol	Daily
8	Lion	Water hole in enclosure	Lime	fortnight
9	Leopard	Housing	Fumigation	Monthly
10	Leopard	Housing	Bleaching powder	Monthly
11	Leopard	Housing	Lyzol	Daily
12	Leopard	Water hole in enclosure	Lime	fortnight
13	Hyena	Housing	Fumigation	Monthly
14	Hyena	Housing	Bleaching powder	Monthly
15	Hyena	Housing	Lyzol	Daily
16	Hyena	Water hole in enclosure	Lime	fortnight
17	Sloth Bear	Housing	Fumigation	Monthly
18	Sloth Bear	Housing	Bleaching powder	Monthly
19	Sloth Bear	Housing	Lyzol	Daily
20	Sloth Bear	Water hole in enclosure	lime	fortnight

# Health Check-up of employees for zoonotic disease

Health Check up of Animals was done with the help of Wildlife Forensic and Health Jabalpur



Treatment of Inder - (Blind Leopard) from Kamla Nehru Prani Sangrahalaya, Indore



Treatment of different Animals

## Infocus: Veterinary Officer, VVNP- Zoo

Dr. Atul Gupta completed his bachelor in Veterinary Sciences from Mhow, Indore in 1999. He joined Forest Department on deputation in 2000 and completed the diploma course in Wildlife Management in 2001 and further specialized in Wildlife Health Management from WIL, Dehradun. He did a short term course in Radiology from IVRI Ijzatnagar U.P. He went on to complete a two week course in Endangered species recovery from Durrell Wildlife Conservation Trust Jersey (UK) in 2009 and a two week course on Chemical and Physical Restrain of Wildlife from Milalangwe Trust Zimbabwe in 2013. He is being conferred many awards including M.P. State Wildlife Protection Awards and Vanyaprani Mitra Award 2020 by CZA.



Health Check up of 01 Range Officer Safari, 10 forest guards Unit Incharge Safari, and 23 Animal Keepers and attendants was done on 11.01.2021 & 21.01.2021. All were Found Fit. Check up included general Health Check up and Check up for Tuberculosis. All personnel who come in close proximity of the animals were vaccinated against Rabies.

## Development Works Carried Out In The Zoo During The Year 2020-21



Many of new work and renovation of old housings and enclosures were taken up this year also. Two new toilets at Snake Park and Gate no. 2 other works includes excavation of canal at Butterfly Park a wallowing Pond, treatment enclosure of Gaur Bada, Reinforcement of dwarf wall of lion bada, erection of partition in aviary, protection wall in ghariyal bada. Severe damage to the tiger and leopard display enclosures by incessant heavy rains which resulted in collapse of the moat walls in several enclosures. These moat walls were again repaired. Some enclosures in the off display area and display zone were further strengthened by construction of dwarf walls and construction of dwarf wall in lion bada.



Some renovation and restoration works were carried out in Butterfly Park. Protection of old trees by making chabutara around them certainly aided the greenery inside Van Vihar. Other than these works change of roof top of Interpretation Centre, outlet of excess rainy water from Barasinga Bada Vermi compost pit at Barseem bada are also done.



## Education and Awareness Programme During The Year

Van Vihar had a huge influx of education institutions, NGOs and other organizations like WWF, Bhopal Birds, Tiger Foundation coordinating with Van Vihar team to successfully conduct various education visits, awareness camps and bird watching events. Van Vihar has conducted bird counting for the first time in Van Vihar with active cooperation of Bhopal Birds till date 266 species of birds were being identified in Van Vihar. Number of trainees like I.F.S., A.C.F., Range Officer and Forest guards visited Van Vihar for educational purpose. Apart from the awareness and extension programs, Van Vihar has been organizing the State Wild Life Week on behalf of Wild Life Wing which is always a much awaited event amongst schools and students. This year the State wildlife week celebrated in different mode due to COVID-19 pandemic. Many of the programmes were organized online but nonetheless it has attracted participants in much numbers. In this week a participation of 53 schools/ Institutions and 959 students in 19 activities were reported. The day wise program is depicted below. Entry of the participants during these events and participation is entirely free of charge.

### State Level Wildlife Week 2020

Van Vihar National Park-Zoo has assigned to organized State level Wildlife Week 2020 since 1st to 7th October 2020 like every year. During this week different programmes were organized in context to conserve Forests, Wildlife and Environment in order to motivate people. Wildlife Week of this year was different than the previous years due to pandemic of COVID-19. In all the programmes instructions regarding COVID -19 were strictly followed and not only the numbers of participants were kept limited but also most of the programmes were organized online.

Date	Categories & Events	Participants
01.10.2020 Thursday	Inauguration of the Wildlife Week 2020	
	1. Inauguration of the Wildlife photo competition /exhibition"	33
	2. Painting Competition	42
	3. Rangoli Competition	35
2.10.20 Friday	1.Cleanliness Drive in Van Vihar	152
	2. Live Wildlife Talk Show on Facebook and You tube	open
	3.Online Poem Competition	27
3.10.20 Saturday	1.Bird watching & Nature camp	55
	2.Treasure Hunt (20 Teams)	80
4.10.20 Sunday	1.A nature Camp - Know your butterflies	72
	2. Live interaction with animal keepers and officials of Van Vihar	48
	3. Evening Chat Show about Managing Protected Areas in urban landscape on facebook	Open

Date	Categories & Events	Participants
5.10.20 Monday	1. Bird watching & Nature camp	28
	2. Wall Painting Competition	Open
	3. Mehndi Competition	23
	4. Palm Painting Competition	21
6.10.20 Tuesday	1. Bird watching & Nature (Pink Camp)	42
	2. Creativity Workshop and Competition	38
	3. Online Just A Minute Competition	165
	4. Online Fancy dress competition	14
7.10.20 Wednesday	1. Face Painting Competition	10
	2. Prize distribution & Closing ceremony	74
	<b>Total Participation</b>	<b>959</b>

## Glimpses of State level Wildlife Week -2020

The State level Wildlife week was inaugurated by Shri Ashok Barnwal Principal Secretary of Forests Madhya Pradesh Govt. in the esteemed presence of officers and participants. He also inaugurated photo exhibition gallery and souvenir shop of Vindhya herbal sanjeevani centre. During the week sister organizations of forest department Bamboo mission, Social forestry, Bio diversity board and Eco development committee Bamnai of Ratapani sanctuary have exhibited their products at the main venue.

In Photography competition all the photographs of the participants were exhibited in the photo gallery. Similarly before the wildlife week online photographs were collected from participants and best photos of vulture were displayed in the gallery throughout the week.

Dr. Sanjay Shukla APCCF has also contributed his philately for display.



## Glimpses of State level Wildlife Week -2020



### Online Competitions

During the State Level Wildlife Week 2020 most of the programmes were organized online in accordance with guidelines laid down by central and state government. In all these online competitions participants participated with great enthusiasm like Poetry, Just A Minute, Fancy Dress, Vulture Photography, Wall Painting and Sculptural art Competition and the entries of winner participants were uploaded on Facebook for telecast.

### Bird watching and Nature Camps

2 Bird Watching and Nature Camps were organized during this week. One camp to know your Butterflies and one special camp for women (Pink camp) were organized very first time in Van Vihar during this wildlife week 2020.

Talk Show- With the collaboration of M.P. Tiger Foundation Society a live talk show on "Tigers for Water Security" was organized on Social Media platform -facebook and youtube, simultaneously a workshop was also organized among animal keepers of Van Vihar and people to acquainted them regarding upkeep of wild animals and rescue operations.

Glimpses of all the programmes during State Wildlife Week 2020 were uploaded daily for the first time on the facebook, which got appreciation from all sections of society.

## 01.10.2020 (Day one)

**Drawing competition-** In this competition students from class 9 to college level were allowed to participate in which 42 participants from 15 institutions have participated. They draw their drawings on tiger, leopard, barasingha, black buck, spotted deer and other wildlife  
**Photography competition-** In this competition 33 participants both professional and amateur photographers participated. Their 117 photographs displayed on exhibition.

**Rangoli competition-** In afternoon session Rangoli competition were organized in which 35 participants participated. The aim of rangoli competition was to create awareness among students with wild animals, birds, butterflies etc.



## 02.10.2020 (Day Two)

**Cleanliness Drive-** Second day that is 2 Oct. 2020 during the Wildlife week was observed with cleanliness drive in the tourism zone between gate no.1 and 2. In which with the Van Vihar Staff, Camera club, youth brigade, Bhopal city information portal, nirman parivartan and Bhopal eye clean institutions participated. All in all approximately 100 participants participated.

**Online Poem Competition-** This was done in all division of M.P. forest departments in to categories i.e. Junior and Seniors. 10 selected Entries from jr. category and 17 from Sr. categories were evaluated by the judges and these selected poems were uploaded on face book

which were letter on telecast on 05.10.2020 between 4 to 5 PM.

**Online Live Talk Show** - For the first time live talk show on "Tigers for Water Security" was organized with the corporation of M.P. Tiger Foundation Society on face book and youtube between 4 PM to 5 PM.



### 03.10.2020 (Day Three)

**Bird Watching and Nature Camp**- Day began with bird watching and nature camp in which 55 participants along with youth hostel lake city unit. Participants enjoyed bird watching. Treasure Hunt- This event was organized for the first time in the Wildlife Week In which first 20 teams were given entries to participate. Each team consisted with 4 members. Participants took part in the treasure hunt with great enthusiasm.



## 04.10.2020 (Day Four)

**Nature camp to know butterflies** - This day during the wildlife week for the first time nature camp was organized to know world of butterflies. In this very interesting camp 72 participants participated. They observed various variety of butterflies.

**Live Chat With Animal Keepers and Staff**- Just after the butterfly camp in Vihar Vithika a live chat show was staged with animal keeper and staff in which 48 participants were participated. Animals keepers shared their experience while upkeeping wild animals like Sloth Bear, Tiger, Leopard, Hyaena, Gour and Snakes. Participants thoroughly enjoyed on the occasion their curiosities were well addressed.



**Just A Minute Online competition** - Just A Minute competition has responded hugely by students in which there were two categories and participants have to present either speech, poem or act over their dear wild animal within the minute. Record number of entries were obtained in both categories junior (85 entries) and senior (80 entries). Selected entries of both categories were uploaded on face book for online telecast.

## 05.10.2020 (Day Five)

**Bird Watching and Nature Camp-** In morning session a bird watching and nature camp were organized in which 28 participants enjoyed bird watching.

**Mehndi & Palm Painting Competition** - Mehndi and Palm painting competitions were open for all who wants to participate in it. The participants shown their skills in Mehndi as well as Palm painting. Total 21 and 23 participants participated respectively.

**Fancy Dress Competition** - Online fancy dress was organized and only 14 entries were received which were judged and uploaded on face book for online telecast.



## 06.10.2020 (Day Six)

**Bird Watching and Nature Camp (Pink Camp)** - A Special Pink Camp was organized during the week only for ladies in the morning session of bird watching and nature walk. In which 42 ladies participated.



**Creativity Workshop** - A Creativity workshop and competition was another events for the six day, in which 38 students from different schools have participated. All the students learnt to make birds, flowers, butterflies with the help of coloured paper, to make a crane, face mask with paper Mache. On the same day selected entries of Just a minute competition and fancy dress competition were uploaded on Facebook and youtube for online telecast.



## 07.10.2020 (Day Seven)

**Face Painting Competition** - On the final day of the week a face painting competition is organized for the students. 10 students have participated in this event in which participants have to paint their or their friend's face on wildlife based theme. This competition is very much appreciated by Hon'ble Chief Guest of the ceremony Minister of Forests M.P. Dr. Kunwar Vijay Shah.

**Closing Ceremony** - Closing Ceremony of State level wildlife week was held on 07th Oct. 2020. To grace the occasion Dr. Kunwar Vijay Shah Minister of Forests M.P.Govt. was present as a chief guest. and Other dignitaries were present on the occasion Hon'ble chief guest released a "M.P. Vulture Estimation Report -2019" he also distributed prizes and certificates to winners of different competition which held during the State Wildlife Week and also prestigious awards of year 2019 & 20 of various categories of Wildlife Conservation. Total 39 officers and employees received this wildlife conservation award.



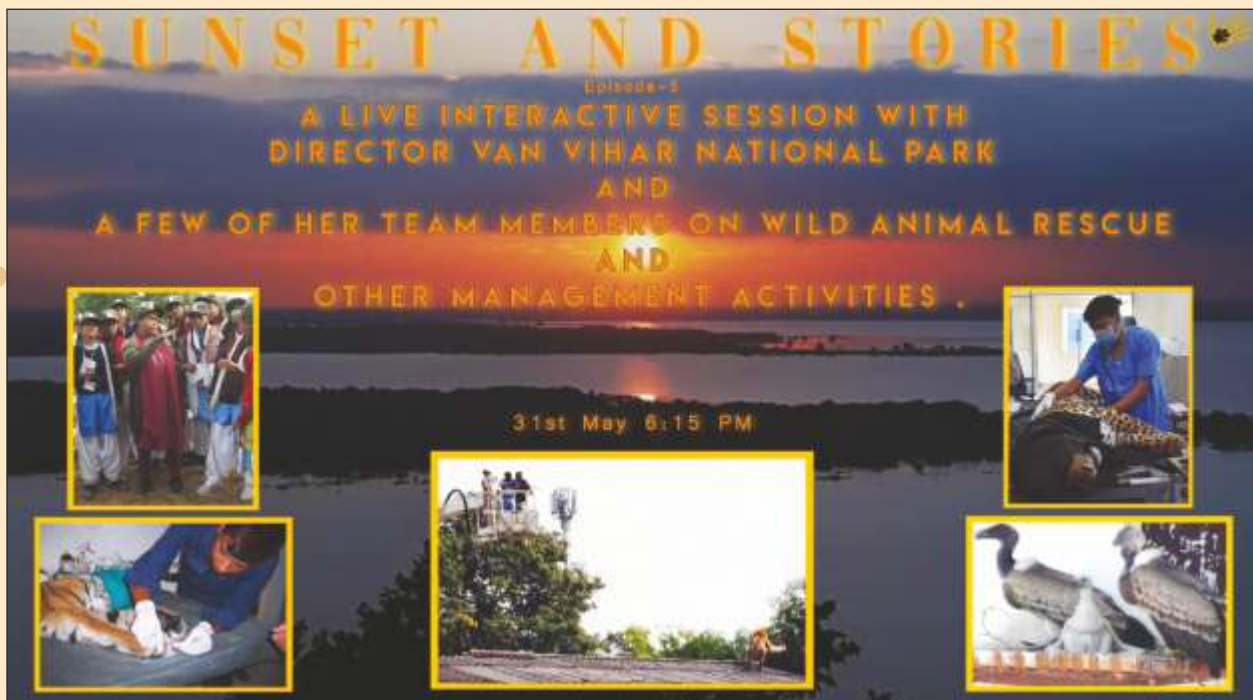
## VISIT OF DIGNITARIES IN VAN VIHAR

A number of Dignitaries visited Van Vihar this year including hon'ble Chief Minister of M.P. Shri Shivraj Singh Chouhan, Finance Minister Shri Jagdish Deora. Representative of CZA New Delhi Smt. Sonali Ghosh and Ms. Gargi Roy, Mrs. Kamla Lad W/o Late shri P.M. Lad first Director of Van Vihar during the year. We had forestry personnel of IFS, ACF, Range Officers trainees/ Probationers from State training Academy



## Important Events and happenings

- **Live telecast of Sunset Stories from Van Vihar on 31.05.2020 with coordination of Tiger Foundation society Bhopal on Face book and You tube -** This telecast was carried out from 4 points of Van Vihar i.e. Director office, Veterinary Hospital, Sunset Point & Gate no. 2 represented by officials, Vet, Zoo Keepers and technocrats, narrating brief aspects of Van Vihar and wildlife.



- **Environment Day is celebrated on 05.06.2020** - This day was celebrated with great enthusiasm by Van Vihar officials and staff in drizzling rains.



- **COVID-19 Workshop was held on 20.06.2020** - This was very tough period to maintain tourism and management during pandemic. A Covid workshop was held to train forest officials in this regard to cope up with situation.
- **Reopening of Butterfly Park was held on Tiger Day 29.07.2020** in auspicious presence of Hon'able Minister of Forest Dr. Kunwar Vijay Shah. In the same live telecast programme launching of Van Vihar facebook page and Online ticket booking on Mponline portal were held.



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- **Reopening of Butterfly Park** was held on **Tiger Day 29.07.2020** in auspicious presence of Hon'able Minister of Forest Dr. Kunwar Vijay Shah. In the same live telecast programme launching of Van Vihar facebook page and Online ticket booking on Mponline portal were held.



- Celebrated Zoo Recognition Day of Van Vihar on 24.11.2020.

**24<sup>th</sup> Nov 2020**  
**"Zoo Day"**

*V* वन विहार राष्ट्रीय उद्यान एवं जू, भोपाल  
*Van Vihar National Park & Zoo, Bhopal*

in association with  
**Bhopal Birds**  
proudly announces  
**Birdwatching Camp**

**Time: 7 AM**  
**50 Participants only**  
To Register send "SMS" with  
Name & Age to 94247 96444  
during office hours only  
(10.30 am to 5.30 pm)

- **Winter** Bird Count of Van Vihar along with Bhoj Wetland was organized by Bhopal Birds where professionals from different fields participated **was held on 7th - 8th December 2020 & 2nd of February 2021.**



- **A State level 3rd Vulture Census 2020-21 were held on 07.02.2021.**

- **Wildlife census in Van Vihar was carried out on 24, 25 and 26 of Feb, 2021.**



- **Sparrow Day was celebrated on 20.03.2021.**

# SEASONAL SPECIAL ARRANGEMENTS FOR UPKEEP OF ANIMALS

## I. Summer arrangements -

**For captive animals** - During summer Bhopal experiences high temperatures and it reaches up to 47°C. To keep the housings and kraals comfortable for captive animals, Desert coolers are provided. The doors and windows are covered with 'Khus mats', which are watered periodically to ensure coolness. The kraals are covered on top with hessian cloth too. The water holes in the enclosures are covered with temporary sheds for keeping the water cool and providing shade to animals, when they take a dip to get relief from the scorching heat.



**For Free ranging animals** - In Van Vihar Large number of herbivores (Approximately 1300) reside inside the zoo area. During this period scarcity of natural fodder and water is felt. To mitigate this, artificially created water holes at a number of places are filled with drinking water and green fodder is placed at strategic places on daily basis. 'Sudana' a nutrient supplement is also made available during the period for herbivores. Artificial shed arrangements are also made near the water holes.



**Winter arrangements** - During this period housing of captive animals are covered with curtains and at the peak period of winter heating facility in the housings is also provided. All the housings of Cats are provided with wooden Thakats for providing insulation to the animals. Special attention is given to the reptiles and Sulcata tortoise housings by providing hay for warmth.



## RESEARCH WORK CARRIED OUT AND PUBLICATION

Van Vihar Zoo has published Vulture estimation report 2019 Madhya Pradesh Forest Department as Nodal officer.

## CONSERVATION BREEDING PROGRAMME OF THE ZOO

Van Vihar Zoo is associated with two important conservation breeding programme apart from been a participatory zoo for conservation breeding of Tigers and Lions.

Conservation breeding of Hard ground Swamp Deer ( Barasingha) in Van Vihar premises and Vulture conservation cum breeding center in Kerwa approximately 9 Km. away from Van Vihar. Both are very ambitious programmes being undertaken with help of M.P. Forest Department and B.N.H.S. for Vultures.

### Conservation Breeding for Barasingha

The initial population of 7 Barasingha were captured from Kanha National Park and were brought for experiment to Van Vihar in January, 2015. This number gone upto 21 this year 2020, but at the same time we lost 11 animals, 4 from the original population due to old age, 3 from infighting and 4 animals due to infection and deformity during last 2 years. A expert committee thoroughly examined and suggested to free most of barasingha in free ranging area of Van Vihar. Following recommendations at present 8 barasingha are in open area and 2 are in barasingha enclosure.

### Vulture Conservation and Breeding Center

The VCBC is located 7 kms from Van Vihar. It was set up with the help of BNHS and started functioning from 2014. This center basically concentrating on Ex-situ conservation of White Backed Vulture and Long Billed Vulture, the two main types found in M.P. The detailed information of the birds given below-

Particulars	White Backed Vulture	Long Billed Vulture
Founder Population	16	30
Mortalities	1	1
Population on March-2021	19	39





## ACQUISITION/TRANSFER/EXCHANGE DURING THE YEAR 2020-21

<b>A</b>					
<b>Animal arriving in the Zoo</b>					
S. No.	H.No.	Species	Number (M:F)	From which Zoo	Date of arrival in the zoo
1	-	-	-	-	-
2					
<b>B</b>					
<b>Animals going from the Zoo</b>					
S. No.	H.No.	Species	Number (M:F)	going to which Zoo	Date of deposition from the zoo
1	-	-	-	-	-
2					

## RESCUE AND REHABILITATION OF WILD ANIMALS CARRIED OUT BY THE ZOO

S. N.	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	17.07.20	Sloth Bear (1) M	Pench Tiger Reserve	-	09.09.20 Pench Tiger Reserve	-
2	06.06.20	Tiger (1) M	Kanha Tiger Reserve	20.01.2021	-	Not fit for release.
3	10.10.20	Leopard (1) M	Indore	24.02.2021	-	Not fit for release.
4	17.12.20	Tiger (1) M	Kanha Tiger Reserve	20.01.2021	-	Not fit for release.
5	13.01.21	Tiger (1) M	Harda Forest Division M.P.	-	09.03.21 STR	-
6	06.03.21	Leopard (1) M	Sagar Forest Division MP	-	20.04.21 Ratapani	-



# ANNUAL INVENTORY OF ANIMALS

FORM-II  
[See rule 11 (1)]

PART - A  
Van Vihar National Park Zoo, Bhopal, Madhya Pradesh

Proforma for Annual Inventory Report  
Inventory Report for the Year : 2020-2021

## Endangered Species\*

### # - Modified Closing Balance

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2020)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2021)					
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T		
<b>Mammalia</b>																								
1.	Blackbuck	<i>Antelope cervicapra</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
2.	Indian Bison, Gaur	<i>Bos gaurus</i>	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	
3.	Jackal	<i>Canis aureus</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	
4.	Chinkara	<i>Gazella bennettii</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
5. #	Sloth Bear	<i>Melursus ursinus</i>	13	10	0	23	0	0	0	0	0	0	0	0	0	2	0	0	0	11	10	0	21	
6.	Asiatic Lion	<i>Panthera leo persica</i>	4	2	0	6	0	0	0	0	0	0	0	0	0	2	0	0	0	2	2	0	4	
7. #	Leopard	<i>Panthera pardus</i>	8	2	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	9	2	0	11	
8.	Tiger (leucistic/White)	<i>Panthera tigris</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	
<b>Reptilia</b>																								
9.	Bengal Tiger	<i>Panthera tigris</i>	6	6	0	12	0	0	0	2	0	0	0	0	0	1	0	0	0	7	6	0	13	
10. #	Barasingha (Swamp Deer)	<i>Rucervus duvaucellii</i>	2	2	11	15	0	0	3	0	0	0	0	0	0	3	5	0	0	5	1	4	10	
11.	Four-horned Antelope	<i>Tetracerus quadricornis</i>	6	1	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	6	1	0	7	
<b>Total Mammalia</b>		<b>11</b>	<b>42</b>	<b>28</b>	<b>11</b>	<b>81</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>43</b>	<b>27</b>	<b>4</b>	<b>74</b>		
<b>Reptilia</b>																								
1.	Marsh Crocodile	<i>Crocodylus palustris</i>	0	0	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	
2.	Gharial	<i>Gavialis gangeticus</i>	1	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	3	
3.	Indian Softshell Turtle, Ganges Softshell Turtle	<i>Nilssonia gangetica</i>	0	0	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	
<b>Total Reptilia</b>		<b>3</b>	<b>1</b>	<b>2</b>	<b>36</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>36</b>	<b>39</b>	
<b>Total</b>			<b>43</b>	<b>30</b>	<b>47</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>44</b>	<b>29</b>	<b>40</b>	<b>113</b>		

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

**PART - B**  
**Van Vihar National Park Zoo, Bhopal, Madhya Pradesh**  
**Proforma for Annual Inventory Report**  
**Inventory Report for the Year : 2020-2021**

**Other than Endangered Species\***

**# - Modified Closing Balance**

S.No.	Animal Name	Scientific Name	Opening Stock (01-Apr-2020)				Births			Acquisitions			Disposals			Deaths			Closing Stock (31-Mar-2021)				
			M	F	U	T	M	F	U	M	F	U	M	F	U	M	F	U	M	F	U	T	
<b>Mammalia</b>																							
1.	Chital/ Spotted Deer	<i>Axis axis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2.	Striped Hyena	<i>Hyaena hyaena</i>	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
3.	Sambar Deer	<i>Rusa unicolor</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Mammalia</b>		<b>3</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
<b>Reptilia</b>																							
1.	Indian Star Tortoise	<i>Geochelone elegans</i>	0	0	8	8	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	13	13
<b>Total Reptilia</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>13</b>
<b>Total</b>			<b>0</b>	<b>2</b>	<b>8</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>13</b>	<b>15</b>
<b>Grand Total</b>			<b>43</b>	<b>32</b>	<b>55</b>	<b>130</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>5</b>	<b>0</b>	<b>44</b>	<b>31</b>	<b>53</b>	<b>128</b>	

**MORTALITY OF ANIMALS**

S.N.	Animal Name	Scientific Name	Sex	Date of Death	Reason of Death as per postmortem Report
1	Barasingha	<i>Cervus duvauceli branderi</i>	F	9.04.2020	Gastro-enteritis, the liver was swollen and demarcation of cortex and medulla of kidney was blurred indicating hepato-renal pathy
2	Barasingha	<i>Cervus duvauceli branderi</i>	F	15.05.2020	No opinion could be established for cause of death due to carcass was putrified.
3	Sloth Bear	<i>Melursus ursinus</i>	M	21.09.2020	Asphyxia leading to respiratory failure
4	Barasinga	<i>Cervus duvauceli branderi</i>	F	25.11.2020	Cause of death could not be done because could not get visceral organs.
5	Barasinga	<i>Cervus duvauceli branderi</i>	M	04.12.2020	Pulmonary failure due to traumatic shock
6	Barasinga	<i>Cervus duvauceli branderi</i>	M	10.12.2020	Respiratory failure
7	Lion	<i>Panthera leo persica</i>	M	07.11.2020	Multiple organ failure due to senility
8	Barasinga	<i>Cervus duvauceli branderi</i>	M	02.01.2021	Respiratory failure leading to Asphyxia
9	Sloth Bear	<i>Melursus ursinus</i>	M	13.01.2021	Pulmonary failure
10	Barasinga	<i>Cervus duvauceli branderi</i>	F	26.01.2021	Pneumonia leading to respiratory failure
11	Barasinga	<i>Cervus duvauceli branderi</i>	F	27.01.2021	Shock
12	Tiger bengal	<i>Panthera tigris tigris</i>	M	07.03.2021	Multiple organ failure due to senility
13	Lion		M	26.03.2021	Multiple organ failure due to senility

# COMPLIANCE WITH CONDITIONS STIPULATED BY THE CENTRAL ZOO AUTHORITY

S.N.	Norm no. under RZR	Condition	Time Period to Comply	Action Points
<b>2. Administrative &amp; Staffing Pattern</b>				
1	10.2(2) & 10.6(5)	The Zoo Operator should appoint Biologist and Lab Assistant immediately	Six Months	The zoo has been recognized as a small zoo now. Compliance will be done in time. Proposal for sanction has been sent to the higher office. In the meantime help of retired officers and person associated with other organisations are helping for zoo interpretation and nature education.
<b>4. Animal housing, display of animals and animal enclosures</b>				
2	10.4(2)	The enclosures and houses of species like snake and star tortoise are substandard, the new enclosures will be constructed after approval of the master plan.	One Year	Master Plan has already been sent to CZA by letter no./ mgmt./1522 dated 03.09.2020 through PCCF (WL) letter no. / tourism/5366 dated 04.09.2020. but so far it is not being approved by CZA. The Layout Plan of the Zoo is already approved by CZA. After approval of master plan enclosure and houses of species would be constructed.
3	10.4(2) & 10.4(6)	The snake display facility is considerably basic and lacks proper enrichment. The size of enclosures should also be according to the snake displayed A new facility should be constructed so that visitors have enough space to move around while viewing and there is proper learning too with the help of signages and information provided about the behaviour and life of the animal.	Two Year	Master Plan has already been sent to CZA by letter no./ mgmt./1522 dated 03.09.2020 through PCCF (WL) letter no. / tourism/5366 dated 04.09.2020. but so far it is not being approved by CZA. The Layout Plan of the Zoo is already approved by CZA. After approval of master plan enclosure and houses of species would be constructed.
4	10.4(2)	Pucca buildings and housing have been coloured in local sandstone colour, which is blending very nicely with the surroundings, but still camouflaging by vegetation can be done some places.	One Year	Most of the buildings and housings have been coloured in local sandstone camouflaging by vegetation is in progress.

5	10.4(2)	Ventilation is not adequate and proper in the enclosure housing snakes.	Two Year	After approval of Master Plan improvement in the enclosure of snake would be done.
6	10.4(6)	Sufficient enrichments have been provided in enclosures of species such as Sloth bear, Tiger, Leopard, Lion and Snakes. No enrichment is done in other enclosures, some more enrichment can be added to the crocodile and gharial enclosures.	One Year	Complied
7	10.4(10)	The signages of animals are in place but still more are required in local language.	As early as possible	complied
8	10.4(10)	The interpretation centre near gate no. 2 does not have many exhibit or information. It should be upgraded, and more interactive information can be installed or arranged for visitors.	One Year	Upgradation of interpretation is in progress and many exhibits have been placed.

#### 9. Acquisition and breeding of animals:

9	10.9(4)	Zoo management should acquire pair for solitary animals like Chinkara and Gour	As early as Possible	Efforts are on.
10	10.9(10)	No mock drill exercise for the Zoo staff is taken, to equip them to deal with the eventuality in case when there is accidental escape of animal from enclosure or even in accidents when the person makes his way into the enclosure. Staff should be prepared for such eventuality.	As early as Possible	complied

#### 11. Education and outreach activities

11	10.11(1)	Souvenir shop should be made operational.	As early as Possible	complied
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# LIST OF FREE LIVING WILD ANIMALS WITHIN THE ZOO PREMISES

## A. Mammals-

1. Sambhar
2. Cheetal
3. Neelgai
4. Blackbuck
5. Langoor
6. Wild boar
7. Jackal
8. Porcupine
9. Pangolin
10. Jungle Cat



**B. Birds - Avifauna Checklist of Van Vihar National Park, Bhopal** - Van Vihar and Bhopal Birds Conservation Society Bhopal has prepared bird count record since year 2000 to 2020 and till now 266 species have been recorded so far. Dr. Sangeeta Rajgir Founder and Member secretary and Md. Khaliq Founder and CEO and his team has contributed a lot to prepare this important avifauna record of Van Vihar.

S.NO	FAMILY COMMON NAME	SCIENTIFIC NAME	LOCAL NAME	MIGRATORY/ LOCAL RESIDENT	HABITAT	CONSERVATION STATUS	REMARKS	Year 2000	Year 2008	Year 2010	Year 2018	Year 2020
PODICIPEDIDAE												
1	Little Grebe	<i>Tachybaptus ruficollis</i>	Chota Dubdubi	LM	W	LC		•	•	•	•	•
PHALACROCCORACIDAE												
2	Large Cormorant	<i>Phalacrocorax carbo</i>	Bada Pankowa	LM	W	LC			•	•	•	•
3	Indian Cormorant	<i>P.fuscicollis</i>	Desi Pankowa	LM	W	LC		•	•	•	•	•
4	Little Cormorant	<i>P.niger</i>	Chota Pankowa	LM	W	LC		•	•	•	•	•
ANHINGIDAE												
5	Oriental Darter	<i>Anhinga melanogaster</i>	Banwe	WM	W	NT		•	•	•	•	•
ARDEIDAE												
6	Grey Heron	<i>Ardea cinerea</i>	Sileti Anjan	LM	W	LC		•	•	•	•	•
7	Cattle Egret	<i>Bubulcus ibis</i>	Gaye Bagula	R	W	LC		•	•	•	•	•
8	Large Egret	<i>Casmordius albus</i>	Bada Bagula	R	W	LC		•	•	•	•	•
9	Intermediate Egret	<i>Mesophoyx intermedia</i>	Majhola Bagula	R	W	LC		•	•	•	•	•
10	Little Egret	<i>Egretta garzetta</i>	Karchiya Bagula	R	W	LC		•	•	•	•	•
11	Black-crowned Night Heron	<i>Nycticorax nycticorax</i>	Vak Bagula	R	W	LC		•	•	•	•	•
12	Purple Heron	<i>Ardea purpurea</i>	Nari Anjan	LM	W	LC		•	•	•	•	•
13	Pond Heron	<i>Ardeola grayll</i>	Andha Bagula	R	W	LC		•	•	•	•	•
14	Striated Heron	<i>Butorides striata</i>		R	W	LC				•	•	•
15	Cinnamon Bittern	<i>Ixobrynychus cinnamomeus</i>	Lal Bagli	SW	W	LC			•	•	•	•



37	Ferruginous Pochard	<i>Aythya nyroca</i>	Kurchiya Batakh	WM	W	NT		•	•	•			
38	Gadwall	<i>Anas strepera</i>	Bekhur Batakh	WM	W	LC		•	•	•	•	•	
39	Eurasian Wigeon	<i>Anas penelope</i>	Piyasan Batakh	WM	W	LC				•	•	•	
40	Gargeny	<i>Anas querquedula</i>	Cheta Batakh	WM	W	LC		•	•	•			
41	Cotton Pygmy-goose	<i>Nettapus coromandelianus</i>	Giri-Batakh	LM	W	LC					•	•	•
<b>ACCIPITRIDAE</b>													
42	Black-Shouldered Kite	<i>Elanus caeruleus</i>	Kapasi Cheel	R	T	LC		•	•	•	•	•	
43	Oriental Honey-Buzzard	<i>Pernis ptilorhynchus</i>	Sahutela	R	T	LC			•	•		•	
44	Black Kite	<i>Milvus migrans</i>	Samanya Cheel	R	T	LC		•	•	•	•	•	
45	Shikra	<i>Accipiter badius</i>	Sikra	R	T	LC		•	•	•	•	•	
46	White-eye Buzzard	<i>Bustastur teesa</i>	Teesa	R	T	LC				•		•	
47	Long-legged Buzzard	<i>Buteo rufinus</i>	Lamtang Chuha Maar	V	T	LC		•					
48	Red headed Vulture	<i>Sarcogyps calvus</i>	Raj Gidh	R	T	CR		•	•				
49	Egyptian Vulture	<i>Neophorn percnopterus</i>	Safed Gidh	R	T	EN		•	•	•		•	
50	White-rumped Vulture	<i>Gyps beangalensis</i>	Chamar Gidh	R	T	CR				•	•	•	
51	Greater Spotted Eagle	<i>Aquila clanga</i>	Kaljangha	V	T	VUL					•	•	
52	Steppe Eagle	<i>Aquila nipalensis</i>	Ragad Ukab	WM	T	EN		•	•	•			
53	Imperial Eagle	<i>Aquila heliaca</i>	Bada Jumji Ukab	V	T	LC				•	•		
54	Booted Eagle	<i>Hieraaetus pennatus</i>	Gilharimar Baaz	V	T	LC				•	•	•	
55	Marsh Harrier	<i>Circus aeruginosus</i>	Daldali Patai	WM	T	LC		•	•	•	•	•	
56	Crested serpent Eagle	<i>Spilornis cheela</i>	Dogra Cheel	R	T	LC		•	•	•	•	•	

57	Black Eagle	<i>Lctinaetus ma-layensis</i>	Syah Cheel	V	T	LC			•				
58	Osprey	<i>Pandion hali-aetus</i>	Machli-mar	WM	W	LC		•	•		•		
59	Indian Spot- ted Eagle	<i>Aquila hastata</i>	Desi Ukab	V	T	VUL			•				
60	Brahminy Kite	<i>Haliasur indus</i>	Safed Sar Cheel	LM	W/T	LC						•	
FALCONIDAE													
61	Common Kestrel	<i>Falco tinnun-culus</i>	Samanya Khermu-tiya	WM	T	LC		•	•	•	•	•	•
62	Eurasian Hobby	<i>Falco subbuteo</i>	Morarasni	WM	T	LC			•				
63	Peregrine Falcon	<i>Falco peregri-nus</i>	Saheen	WM	T	LC			•	•			
PHASIANIDAE													
64	Painted Francolin	<i>Francolinus pictus</i>	Chitrit Teetar	R	G	LC			•	•			
65	Black Fran-colin	<i>Francolinus francolinus</i>	Kala Teetar	R	G	LC		•					
66	Grey Fran-colin	<i>F.pondicerianus</i>	Safed Teetar	R	G	LC		•	•	•	•	•	•
67	Common Quail	<i>Coturnix cotur-nix</i>	Bada Bater	R	G	LC		•	•	•	•	•	•
68	Small But-tonquail	<i>Turnix sylvatica</i>	Chota Gulu	LM	G	LC			•	•			
69	Barred But-ton Quail	<i>Turnix susciator</i>	Dhariya Gulu	R	G	LC			•				
70	Indian Pea-fowl	<i>Pavo cristatus</i>	Mor	R	S	LC	National Bird	•	•	•	•	•	•
TURNICIDAE													
71	Indian yel-low Legged Button Quail	<i>Turnix tanki</i>	Pit Pair Gulu	R	G	LC			•				
GRUIDAE													
72	Sarus Crane	<i>Grus antigone</i>	Sarus	LM	W	VUL	World tall-est flying bird	•	•	•			•
RALLIDAE													
73	White breasted Waterhen	<i>Amauornis phoenicurus</i>	Safed Chati Jalmurgi	R	W	LC		•	•	•	•	•	•
74	Purple Sw-amphen	<i>Porphyrio por-phyrio</i>	Jamiuni Jalmurgi	R	W	LC		•	•	•	•	•	•
75	Common Moorhen	<i>Gallinula chlo-ropus</i>	Samanya Jalmurgi	R	W	LC		•	•	•	•	•	•

76	Eurasian Coot	<i>Fulica atra</i>	Tikdi	WM	W	LC		•	•	•	•	•
77	Brown Crake	<i>Amaurornis akool</i>	Bhuri Crake	LM	W	LC			•			
78	Baillon's Crake	<i>Prozana pusilla</i>	Belon Crake	WM	W	LC		•				
79	Slaty breast-ed Rail	<i>Gallirallus striatus</i>	Kheri Pankukri	LM	W	LC			•			
80	Watercock	<i>Gallicrex cinerea</i>	Kora	V	W	LC	Data Deficient			•		
JACANIDAE												
81	Bronze-winged jacana	<i>Metopidius indicus</i>	Jalpipi	R	W	LC		•	•	•	•	•
82	Pheasant-tailed jacana	<i>Hidrophasianus chrurgus</i>	Piho	R	W	LC		•	•	•	•	•
ROSTRATULIDAE												
83	Painted Snipe	<i>Rostratula benghalensis</i>	Raj Chaha	WM	W	LC		•	•	•		
RECURVIROSTRIDAE												
84	Black-winged Stilt	<i>Himantopus himantopus</i>	Gajpaon	R	W	LC		•	•	•	•	•
85	Pied Avocet	<i>Recurvirostra avosetta</i>	Kasya Chaha	WM	W	LC			•			
SCOLOPACINAE												
86	Eurasian Curlew	<i>Numenius arquata</i>	Bada Gulinda	WM	W	NT		•	•	•		
87	Black-tailed Godwit	<i>Limosa limosa</i>	Bada Gudera	WM	W	NT			•	•	•	
88	Bar-tailed Godwit	<i>Limosa lapponica</i>	Chota Gudera	WM	W	LC		•	•		•	
89	Temminck's Stint	<i>Calidris temminckii</i>	Temnik Panlava	WM	W	LC			•			
90	Little Stint	<i>Calidris minuta</i>	Chota Panlewa	WM	W	LC			•			
91	Common Snipe	<i>Gallinago gallinago</i>	Samanya Chaha	WM	W	LC			•	•		
92	Common Greenshank	<i>Tringa nebularia</i>	Bada Timtima Chobaha	WM	W	LC			•	•		
93	Green Sandpiper	<i>Tringa ochropus</i>	Hara Chobaha	WM	W	LC			•			•
94	Marsh Sandpiper	<i>Tringa stagnatilis</i>	Chota Timtima Chobaha	WM	W	LC		•	•	•	•	•
95	Common Sandpiper	<i>Actitis hypoleucos</i>	Samanya Chobaha	WM	W	LC		•	•		•	

96	Wood Sand-piper	<i>Tringa glareola</i>	Bhura Chobaha	WM	W	LC		•					
97	Common Redshank	<i>Tringa tetanus</i>	Chota Surma Chobaha	WM	W	LC		•	•	•	•	•	
98	Spotted Redshank	<i>Tringa erythropus</i>	Bada Surma Chobaha	WM	W	LC			•	•			
CHARADRIIDAE													
99	Red wattled Lapwing	<i>Vanellus indicus</i>	Sharari Titahri	R	W	LC		•	•	•	•	•	
100	Yellow-wattled Lapwing	<i>Vanellus malabaricus</i>	Zard Titahri	R	W	LC			•	•			
101	Grey-headed Lapwing	<i>Vanellus cinereus</i>	Sileti Sar Titahri	WM	W	LC	Recorded By Dr. Gita Rani Gupta first time on 16 <sup>th</sup> March 2017						
102	Little Ringed Plover	<i>Charadrius dubius</i>	Jira Batan	WM	W	LC		•	•	•	•	•	
LARIDAE													
103	River Tern	<i>Sterna aurantia</i>	Jal Kurari	R	W	NT		•	•	•	•	•	
104	Black-bellied Tern	<i>Sterna acuticauda</i>	Kalpeti Kurari	LM	W	EN			•	•			
105	Brown headed Gull	<i>Chroicocephalus brunnicephalus</i>	Samanya Ghomra	WM	W	LC		•	•	•	•	•	
106	Black-headed Gull	<i>Larus ridibundus</i>	Kal Sar Ghomra	WM	W	LC		•	•	•	•	•	
107	Pallas's Gull	<i>Larus ichthyaeus</i>	Bada Ghomra	WM	W	LC			•	•			
108	Caspian Gull	<i>Larus cachinnana</i>	Caspian Ghomra	WM	W	LC			•				
109	Little Tern	<i>Sterna albifrons</i>	Choti Kurari	LM	W	LC		•					
110	Whiskered Tern	<i>Chlidonias hybridus</i>	Muchal Kurari	R	W	LC							•
BURHINIDAE													
111	Great Thick-knee	<i>Esacus recurvirostris</i>	Bada Karwan	R	W/RA	NT			•				
COLUMBIDAE													
112	Blue rock Pigeon	<i>Columba livia</i>	Samanya Kabutar	R	T	LC		•	•	•	•	•	
113	Eurasian Collared Dove	<i>Streptopelia decaocto</i>	Dhawar Fakta	R	T	LC		•	•	•	•	•	

114	Red Col-lared Dove	<i>S.tranquebarica</i>	Int Kohari Fakta	R	T	LC		•	•	•	•	•
115	Spotted Dove	<i>S.chinensis</i>	Chitrokha Fakta	R	T	LC		•	•	•	•	•
116	Laughing Dove	<i>S.senegalensis</i>	Tutru	R	T	LC		•	•	•	•	•
117	Oriental Turtle Dove	<i>Sterptopelia oreintalis</i>	Kalhak Fakta	R	T	LC		•	•	•	•	•
118	Orange-breasted Green Pigeon	<i>Treron bicinctus</i>	Ke-sar Chati Hariyal	V	T	LC				•		•
119	Yellow-foot-ed Green Pigeon	<i>Treron phoenicopterus</i>	Samanya Hariyal	R	T	LC		•	•	•	•	•
PSITTACIDAE												
120	Rose-ringed Parakeet	<i>Psittacula kra-meri</i>	Kanthe Wala Tota	R	T	LC		•	•	•	•	•
121	Plum-head-ed Parakeet	<i>Psittacula cya-nocephala</i>	Tuniya Tota	R	T	LC		•	•		•	•
122	Alexandrine Parakeet	<i>Psittacula eu-patria</i>	Hiraman Tota	R	T	NT		•	•			
CUCULIDAE												
123	Jacobin Cuckoo	<i>Clamator jaco-binus</i>	Ablak Chatak	SM	T	LC		•	•	•	•	•
124	Common Hawk Cuckoo	<i>Hierococcyx varius</i>	Samanya Papiha	R	T	LC		•	•	•	•	•
125	Asian Koel	<i>Eudynamys scolopacea</i>	Koel	LM	T	LC		•	•	•	•	•
126	Greater Coucal	<i>Centropus sinensis</i>	Mahok	R	T	LC		•	•	•	•	•
127	Indian Cuckoo	<i>Cuculus microp-terus</i>	Kafal Pakka	SM	T	LC		•	•	•	•	•
128	Eurasian Cuckoo	<i>Cuculus ca-norus</i>	Kufu Khuk	SM	T	LC				•	•	
129	Plaintive Cuckoo	<i>Cacomantis merulinus</i>	Lalpeti Khuk	V	T	LC	Vary rare sighting				•	•
130	Grey-bellied Cuckoo	<i>Cacomantis passerinus</i>	Surmai Khuk	SM	T	LC			•			
131	Sirkeer Malkoha	<i>Phaenicophae-us leschenaultii</i>	Lalmukhi Malkoha	R	T	LC			•			
TYTONIDAE												
132	Barn Owl	<i>Tyto alba</i>	Karel Ullu	R	T	LC		•	•	•	•	•
STRIGIDAE												
133	Eurasian Eagle Owl	<i>Bubo bubo</i>	Samanya Ghughu	LM	T	LC					•	

134	Spotted Owlet	<i>Athene brama</i>	Samanya Khusat	R	T	LC		•	•	•	•	•
135	Jungle Owlet	<i>Glaucidium radiatum</i>	Jungli Dundul	R	T	LC		•				
136	Indian Scops Owl	<i>Otus bakka-moena</i>	Galpatti Chugad	R	T	LC			•			
137	Mottled Wood Owl	<i>Strix ocellata</i>	Chitra Van Ullu	R	T	LC		•	•	•	•	•
138	Brown Wood Owl	<i>Strix lepogram-mica</i>	Samanya Van Ullu	V	T	LC			•			
139	Dusky Eagle Owl	<i>Bubo coroman-dus</i>	Ghuiyan Ghughu	LM	T	LC			•	•		
140	Brown Fish Owl	<i>Ketupa Zelo-nensis</i>	Amrai Ka Ullu	LM	T	LC		•	•			
CAPRIMULGIDAE												
141	Indian Nightjar	<i>Caprimulgus asiaticus</i>	Samanya Chapka	R	G	LC		•	•	•	•	•
142	Savanna Nightjar	<i>Caprimulgus affinis</i>	Savana Chapka	R	G	LC		•	•	•	•	•
143	Large-tailed Nightjar	<i>Caprimulgus macrurus</i>	Bad-Poonch Chapka	LM	G	LC		•	•	•	•	•
APODIDAE												
144	Little Swift	<i>Apus affinis</i>	Gharelu Ababil	R	A	LC		•		•		
145	Asian Palm Swift	<i>Cypsiurus bal-asiensis</i>	Tadi Ababil	V	A	LC		•	•			•
146	Alpine Swift	<i>Tachymarptis melba</i>	Badi Ababil	LM	A	LC		•		•		
HEMIPROCNIDAE												
147	Crested Treeswift	<i>Hemiprogne coronata</i>	Choti-dar Ped Ababil	R	T	LC				•	•	
ALCEDINIDAE												
148	Pied Kingfisher	<i>Ceryle rudis</i>	Korila Kilkila	R	W	LC		•	•	•	•	•
149	Common Kingfisher	<i>Alcedo atthis</i>	Chota Kilkila	R	W	LC		•	•	•	•	•
150	Stork-billed Kingfisher	<i>Halcyon capen-sis</i>	Bada Chonch Kilkila	R	W	LC				•	•	•
151	White-throated Kingfisher	<i>Halcyon smyr-mensis</i>	Safed Chati Kilkila	R	W	LC		•	•	•	•	•
MEROPIIDAE												
152	Blue-tailed Bee-eater	<i>Merops philip-pinus</i>	Neel Dum Patringa	PM	T	LC	Passage Migrant			•	•	

153	Green Bee-eater	<i>Merops orientalis</i>	Hara Patringa	R	T	LC		•	•	•	•	•
CORACIIDAE												
154	Indian Roller	<i>Coracias benghalensis</i>	Neekanth	R	T	LC		•	•	•	•	•
155	European Roller	<i>Coracias garulus</i>	Vilyati Neelkanth	V	T	LC		•				
UPUPIDAE												
156	Common Hoopoe	<i>Upupa epops</i>	Hudhud	R	T	LC		•	•	•	•	•
BUCEROTIDAE												
157	Indian Grey Hornbill	<i>Ocyrceros birostris</i>	Sileti Dhanesh	R	T	LC		•	•	•	•	•
CAPITONIAE												
158	Copper-smith Barbet	<i>Megalaima haemacephala</i>	Tathera Basanth	R	T	LC		•	•	•	•	•
159	Brown-headed Barbet	<i>Megalaima zeylanica</i>	Bada Basantha	R	T	LC				•	•	
PICIDAE												
160	Lesser Goldenback	<i>Dinopium benghalense</i>	Kalpath Angara Katfoda	R	T	LC		•	•	•		
161	Yellow-crowned Woodpecker	<i>Dendrocopos mahrattensis</i>	Piltaj Katfodiya	R	T	LC				•		
162	White-naped Woodpecker	<i>Chrysocolaptes festivus</i>	Safed Gudi Katfoda	R	T	LC		•	•	•	•	•
163	Eurasian Wryneck	<i>Jynx torquilla</i>	Gardan Entha	M	T	LC		•	•	•	•	•
164	Brown-capped Pygmy Woodpecker	<i>Dendrocopos nanus</i>	Bhura Sar Katfodiya	R	T	LC				•	•	
PITTIDAE												
165	Indian Pitta	<i>Pitta brachyura</i>	Navranga	SM	T	LC		•	•	•		
ALAUDIAE												
166	Indian Bush-lark	<i>Mirafra erythroptera</i>	Bhartiya Jhad Bharat	LM	G	LC		•	•	•		
167	Crested Lark	<i>Galerida cristata</i>	Chotidar Chandul Bharat	R	G	LC				•	•	
168	Rufous-tailed Lark	<i>Ammomanes phoenicurus</i>	Lal Pucha Bharat	R	G	LC		•	•	•	•	•



186	Brahminy Starling	<i>Sturnus pagodarum</i>	Puhya	R	HH	LC		•	•	•	•	•
187	Asian Pied Starling	<i>Sturnus contra</i>	Ablaki Myna	R	HH	LC		•	•	•	•	•
188	Rosy Starling	<i>Sturnus roseus</i>	Gulabi Myna	WM	T	LC			•	•		
189	Common Myna	<i>Acridotheres tristis</i>	Desi Myna	R	HH	LC		•	•	•	•	•
CORVIDAE												
190	Rufous Treepie	<i>Dendrocitta vagabunda</i>	Tarupik	R	T	LC		•	•	•	•	•
191	House Crow	<i>Corvus splendens</i>	Desi Kowa	R	HH	LC		•	•	•	•	•
192	Jungle Crow	<i>Corvus macro-rhynchos</i>	Jungli Kowa	R	T	LC		•	•	•	•	•
MOTACILLIDAE												
193	Blyth's Pipit	<i>Anthus godlewski</i>	Blyath Charchari	WM	G	LC			•			
194	Paddyfield Pipit	<i>Anthus rufulus</i>	Khet Charchari	R	G	LC		•	•	•	•	•
195	Tree Pipit	<i>Anthus trivalis</i>	Taru Charchari	WM	T	LC			•			
196	White Wagtail	<i>Motacilla alba</i>	Safed Khanjan	WM	W	LC		•	•	•	•	•
197	Yellow Wagtail	<i>Motacilla flava</i>	Pilkiya Khanjan	WM	W	LC		•	•	•	•	•
198	Citrine Wagtail	<i>Motacilla citreola</i>	Pila Khanjan	WM	W	LC		•	•	•	•	•
199	White-browed Wagtail	<i>Motacilla maderaspatensis</i>	Safed Bhon Khanjan	R	W	LC		•	•	•	•	•
CAMPEPHAGIDAE												
200	Common Woodshrike	<i>Tephrodornis pondicerianus</i>	Samanya Tarti Tuinyan	R	T	LC		•	•	•		
201	Large Cuckoo Shrike	<i>Coracina macei</i>	Bada Kasya	R	T	LC			•	•		
202	Black-headed Cuckoo shrike	<i>Coracina melanoptera</i>	Jungli Kasya	LM	T	LC			•	•		
203	Small Minivet	<i>Pericrocotus cinnamomeus</i>	Chota Rajalal	R	T	LC		•	•	•	•	•
204	White-bellied Minivet	<i>Pericrocotus erythropygius</i>	Safed pet Rajalal	LM	T	LC			•	•		•
205	Long-tailed Minivet	<i>Pericrocotus ethologus</i>	Chota Pahadi Rajalal	WM	T	LC			•			

206	Scarlet Minivet	<i>Pericrocotus flammeus</i>	Bada Pahadi Rajalal	R	T	LC		•	•	•			
RHIPIDURIDAE													
207	White-browed Fantail	<i>Rhipidura aureola</i>	Safed Nachni	R	T	LC		•	•	•	•	•	
IRENIDAE													
208	Common lora	<i>Aegithina tiphia</i>	Shobhigi	R	T	LC		•	•	•	•	•	
209	Marshall's lora	<i>Aegithina nigrolutea</i>	Marshall Shobhigi	LM	T	LC		•					
210	Golden-fronted Leafbird	<i>Chloropsis aurifrons</i>	Swarnbhal Herewa	R	T	LC			•	•	•	•	
211	Jerdon's Leafbird	<i>Chloropsis Jerdoni</i>	Neela Pankh Herewa	R	T	LC		•					
PYCNONOTIDAE													
212	Red vented Bulbul	<i>Pycnonotus cafer</i>	Gul Dum Bulbul	R	T	LC		•	•	•	•	•	
TIMALIINAE													
213	Yellow eyed Babbler	<i>Chrysomma sinense</i>	Shon Chasm Charkhi	R	T	LC		•	•	•	•	•	
214	Twany-bellied Babbler	<i>Dumetia hyperythra</i>	Lalchon Pet Charkhi	R	S	LC			•	•		•	
215	Common Babbler	<i>Turdoides caudates</i>	Dumari Gogai Charkhi	R	S	LC		•	•	•	•	•	
216	Large grey Babbler	<i>Turdoides malcolmi</i>	Badi Goagi Charkhi	R	S	LC		•	•	•	•	•	
217	Jungle Babbler	<i>Turdoides striatus</i>	Jungli Gogai Charkhi	R	S	LC		•	•	•	•	•	
NECTARINIIDAE													
218	Purple Sunbird	<i>Cinnyris asiatica</i>	Begani Sakarkhora	R	T	LC		•	•	•	•	•	
219	Purple-rumped Sunbird	<i>Leptocoma zeylonica</i>	Bada Panchrangi Sakarkhora	LM	T	LC			•	•		•	
PARIDAE													
220	Great Tit	<i>Parus major</i>	Silet Ramganga	R	T	LC		•	•	•	•	•	
PLOCEIDAE													

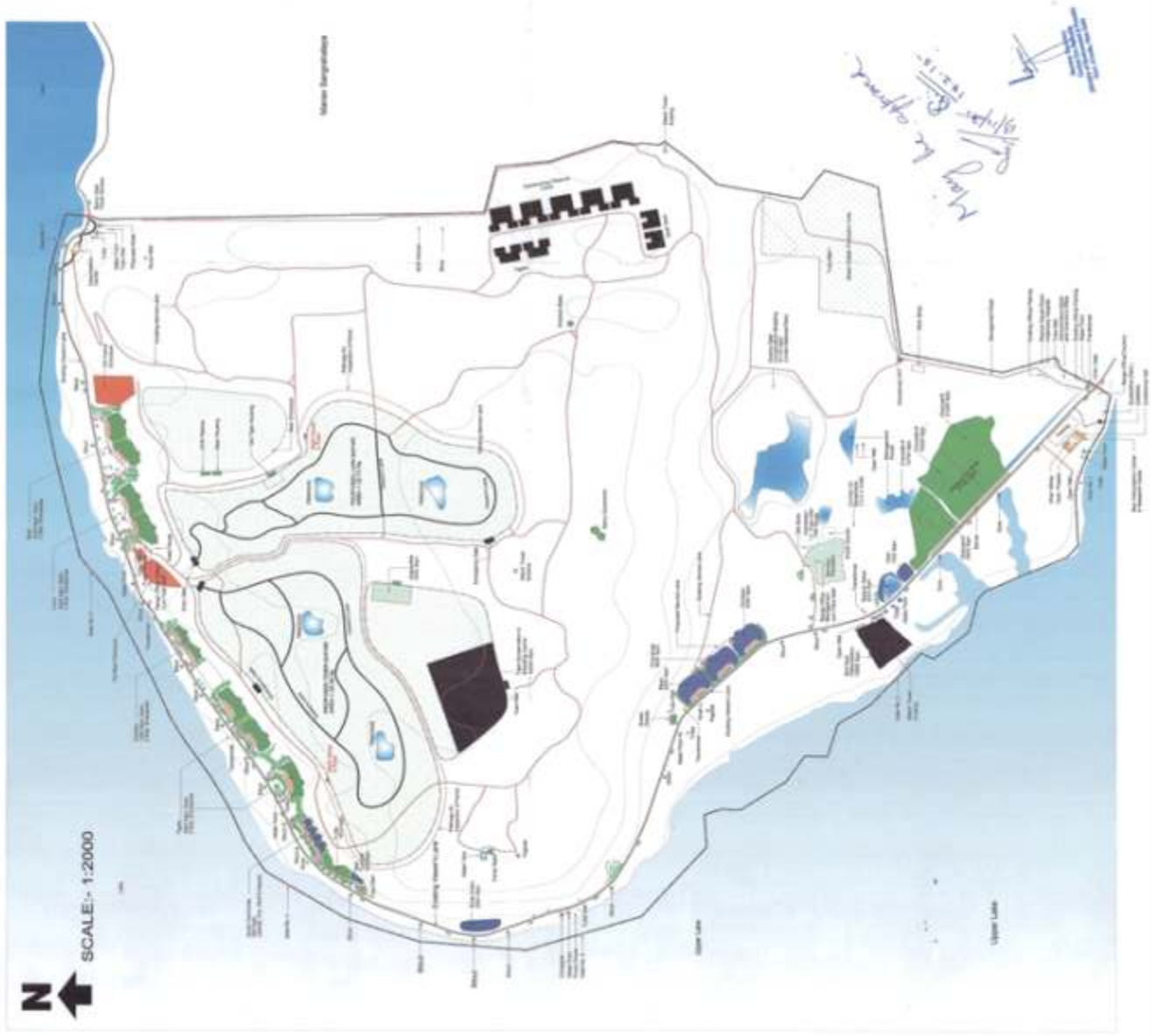
221	House Sparrow	<i>Passer domesticus</i>	Gharelu Gorraiya	R	T	LC		•	•	•	•	•
222	Yellow throated Sparrow	<i>Petronia xanthocolis</i>	Lal Kandha Gorraiya	R	T	LC		•	•	•	•	•
223	Baya Weaver	<i>Ploceus philippinus</i>	Samanya Baya	R	T	LC		•	•	•	•	•
DICAERIDAE												
224	Thick-billed Flower-pecker	<i>Dicaeum agile</i>	Bheem Chonch Fulchuki	R	T	LC					•	•
ESTRILDIDAE												
225	Red Avadavat	<i>Amandava amandava</i>	Lal Munia	LM	G	LC		•	•	•	•	•
226	Black – headed Munia	<i>Lonchura malacca</i>	Kal Sar Munia	LM	G	LC			•	•		•
227	White-rumped Munia	<i>Lonchura striata</i>	Safed Puth Munia	LM	G	LC					•	
228	Scaly-breasted Munia	<i>Lonchura punctulata</i>	Chitti Munia	R	G	LC		•	•	•	•	•
229	Indian Silverbill	<i>Lonchura malabarica</i>	Sada Munia	R	G	LC		•	•	•	•	•
CISTICOLIDAE												
230	Zitting Cisticola	<i>Cisticola juncidis</i>	Zit Zit Ziti Dum Fudki	R	G	LC		•	•			
231	Common Tailorbird	<i>Orthotomus sutorius</i>	Darjin	R	G	LC		•	•	•	•	•
232	Grey-breasted Prinia	<i>Prinia hodgsonii</i>	Si-leti Chati Dum Fudki	R	G	LC		•	•	•		
233	Jungle Prinia	<i>Prinia sylvatica</i>	Jungli Dum Fudki	LM	G	LC		•				
234	Ashy Prinia	<i>Prinia socialis</i>	Si-leti Dum Fudki	R	G	LC		•	•	•	•	•
235	Plain Prinia	<i>Prinia inornata</i>	Sada Dum Fudki	R	G	LC		•	•	•	•	•
MEGALURINAE												
236	Bristled Grass Bird	<i>Chaetornis striata</i>	Dhariya Ghas Fudki	LM	G	Globally Threatened	Rediscovered				•	

MUSCICAPIDAE													
237	Blyth's Reed Warbler	<i>Acrocephalus dumetorum</i>	Podena Narkul Fudki	WM	G	LC						•	
238	Greenish Warbler	<i>P.trochiloides</i>	Hari Pad-fudki	WM	T	LC			•	•	•	•	•
239	Booted Warbler	<i>Hippolais caligata</i>	Badpaon Fudki	WM	T	LC			•	•	•	•	•
240	Tickell's Leaf Warbler	<i>Phylloscopus affinis</i>	Pil Pet Padfudki	WM	T	LC						•	
241	Clamorous Reed Warbler	<i>Acrocephalus stentoreus</i>	Badi Narkul Fudki	WM	G	LC						•	
242	Lesser Whitethroat	<i>Sylvia curruca</i>	Chota Tiktiki Fudki	WM	T	LC			•	•	•	•	•
243	Common Chiffchaff	<i>Phylloscopus collybita</i>	Samanya Chip Chip Fudki	WM	T	LC						•	
244	Bluethroat	<i>Luscinia svecica</i>	Nil Kanthi Lusinia	WM	W	LC			•	•	•	•	•
245	Magpie Robin	<i>Copsychus saularis</i>	Dayal	R	T	LC			•	•	•	•	•
246	Black Redstart	<i>Phoenicurus ochruros</i>	Kala Thirthira	WM	T	LC			•	•	•	•	•
247	Brown Rock-chat	<i>Cercomela fusca</i>	Tharthar Kampni	R	T	LC						•	•
248	Pied Bushchat	<i>saxicola caprata</i>	Ablak Jhadi Pida	R	G	LC			•	•	•	•	•
249	Indian Robin	<i>saxicoloides fulicata</i>	Kalchuri	R	T	LC			•	•	•	•	•
250	Blue Rock Thrush	<i>Monticola solitarius</i>	Kashmiri Kastura	WM	T	LC			•	•	•		
251	Orange-headed Thrush	<i>Zoothera citrina</i>	Kesri Sar Kastura	LM	T	LC						•	
252	Indian Blackbird	<i>Turdus merula</i>	Kal Par Pawai Kastura	R	T	LC			•	•			
253	Asian Brown Flycatcher	<i>Muscicapa dauurica</i>	Bhura Kitmar	LM	T	LC			•	•	•	•	•
254	Red-breasted Flycatcher	<i>Ficedula parva</i>	Sifiya Machariya	WM	T	LC			•	•	•	•	•
255	Taiga Flycatcher	<i>Ficedula albicilla</i>	Taiga Machariya	WM	T	LC						•	





# MASTER (LAYOUT) PLAN VAN VIHAR NATIONAL PARK, BHOPAL M.P.



**N**  
SCALE:- 1:2000

*May be approved*  
15/10/2015

<p><b>REVISIONS</b></p> <p>1. Initial Plan 2. Revised Plan 3. Final Plan 4. Approved Plan</p> <p><b>DATE</b> 10.02.2015</p> <p><b>SCALE</b> 1:2000</p> <p><b>DRAWING NO.</b> [Blank]</p> <p><b>CLIENT</b> DIRECTOR VAN VIHAR, BHOPAL M.P.</p> <p><b>CONSULTANT</b> AASHRAYA CONSULTANCY P. 1, Sector-8, Chandrasekhar Chowk, Bhopal M.P. Email: ashayaa@gmail.com</p>	<p><b>PROJECT</b> VAN VIHAR NATIONAL PARK BHOPAL M.P.</p> <p><b>DRAWING TITLE</b> MASTER LAYOUT PLAN</p> <p><b>DATE</b> 10.02.2015</p> <p><b>SCALE</b> 1:2000</p> <p><b>DRAWING NO.</b> [Blank]</p> <p><b>CLIENT</b> DIRECTOR VAN VIHAR, BHOPAL M.P.</p> <p><b>CONSULTANT</b> AASHRAYA CONSULTANCY P. 1, Sector-8, Chandrasekhar Chowk, Bhopal M.P. Email: ashayaa@gmail.com</p>	<p><b>REVISIONS</b></p> <p>1. Initial Plan 2. Revised Plan 3. Final Plan 4. Approved Plan</p> <p><b>DATE</b> 10.02.2015</p> <p><b>SCALE</b> 1:2000</p> <p><b>DRAWING NO.</b> [Blank]</p> <p><b>CLIENT</b> DIRECTOR VAN VIHAR, BHOPAL M.P.</p> <p><b>CONSULTANT</b> AASHRAYA CONSULTANCY P. 1, Sector-8, Chandrasekhar Chowk, Bhopal M.P. Email: ashayaa@gmail.com</p>
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