

# BHOJ WETLAND WINTER BIRD COUNT 2019-20

## A Count Report

**BWBC**  
2019-20

Bhoj Wetland Winter Bird Count



**BHOPAL BIRDS**  
Committed to save nature



# BHOJ WETLAND WINTER BIRD COUNT 2019-20

## A Count Report



**BHOPAL BIRDS**  
Committed to save nature







**BWBC**  
2019-20

Bhoj Wetland Winter Bird Count



**Organized By:**  
**BHOPAL BIRDS CONSERVATION SOCIETY, BHOPAL**

**Collaboration :**  
**REGIONAL MUSEUM OF NATURAL HISTORY, BHOPAL**  
**(A Regional Centre of National Museum of Natural History, New Delhi)**  
**Ministry of Environment, Forest & Climate Change, Government of India**  
**&**  
**VNS NATURE SAVIOURS, BHOPAL**  
**( A Nature Club of VNS Group of Institutions)**



**SARUS CRANE**  
*Grus antigone*  
©Bhopal Birds



# **Bhoj Wetland Winter Bird Count 2019-20**

## **A Count Report**

*First edition© 2020 Bhopal Birds Conservation Society. This publication may be reproduced in whole or in part and in any form for educational or non-profit purposes with special permission from the copyright holder, provided acknowledgement of the source is made. Bhopal birds would appreciate receiving a copy of any publication that uses this publication as a source. No use of this publication may be made for resale or for any other commercial purpose whatsoever without prior permission in writing from the Bhopal Birds Conservation Society.*

### **Acknowledgments**

*Special thanks to Madhya Pradesh Forest Department and CPA for their kind support.*

*Also thanks to Dr. Sanjay Shukla, IFS, APCCF-IT, Madhya Pradesh Forest Department, Mrs. Kamalika Mohanta, IFS, Director, Van Vihar National Park, Bhopal, Mr. Ashok Kumar Jain, Asst. Director, Van Vihar National Park, Bhopal for their kind involvement to made it success .*

**Published By: Bhopal Birds Conservation Society**

**Compiled & Designed By: Mohd. Khalique, Founder & CEO**  
**Bhopal Birds Conservation Society**

*Copies of this publication are available from  
Bhopal Birds Conservation Society  
30, Saleha Parisar , Phase-2 ,Narela  
Bhopal -462021, ( Madhya Pradesh )  
India.*

*Contact No: 9303115519, 9329990886*

*E-mail : [bhopalbirds@yahoo.com](mailto:bhopalbirds@yahoo.com),  
[ibcnmp@gmail.com](mailto:ibcnmp@gmail.com)*

# CONTENTS

|                                   |              |
|-----------------------------------|--------------|
| <b>1.INTRODUCTION .....</b>       | <b>1</b>     |
| <b>2.SITE DESCRIPTION.....</b>    | <b>2-3</b>   |
| <b>3.AIM &amp; OBJECTIVE.....</b> | <b>4</b>     |
| <b>3.METHODOLOGY.....</b>         | <b>5</b>     |
| <b>4.CENSUS DESIGN.....</b>       | <b>6</b>     |
| <b>5.CENSUS ROUTE.....</b>        | <b>7-9</b>   |
| <b>6.SUMMARY OF CENSUS.....</b>   | <b>10-25</b> |
| <b>7.RARE SIGHTING.....</b>       | <b>26</b>    |







Through fears and flight I fly my flight ,No  
walls for me, No vigil gates, No flags.

THE MIGRANT BIRD- Famida. Y. Basheer



# FOREWORDS

Birds are so common in most habitats, we often overlook their ecological significance. Their ecological role are incredibly important and humans can benefit montarily through the many actions of birds. Birds contribute the four types of services recognized by the UN Millennium Ecosystem Assessment-provisioning, regulating, cultural, and supporting services. In this review, we concentrate primarily on supporting services, and to a lesser extent, provisioning and regulating services. As members of ecosystems, birds play many roles, including as predators, pollinators, scavengers, seed dispersers, seed predators, and ecosystem engineers.



Pest control, seed dispersal pollination and scavengering the caracse of animals come under regulating and supporting services. Eggs, meat, nests, feathers and fertiliser drawn from birds come under provisioning services. Whereas the cultural services cover recreational, artistic and religious role, bird watching, photography etc .Conserdering the ecological services of birds, we should make a drive to conserve the birds from various threats like habitat loss, hunting, poaching, captive tranporatation of birds etc. Awareness programmes/ activities will be helpful in the field of bird conservation like bird watching, photography, identification of local birds, prapration of check list, lecture on different role of birds in ecosystem etc .

Wish you all the best for bird conservation.

A handwritten signature in black ink, appearing to read 'Manoj Kumar Sharma'.

Dr. Manoj Kumar Sharma  
Scientist-C & in-Charge,  
Regional Museum of Natural History, Bhopal



Wetlands are a complete ecosystem which support huge biodiversity. They are integral part of environment. Many more species of plant and animals are dependant on it. They are vital for human survival by providing them various ecosystem services as fresh water supply, food, building material, biodiversity, flood control, ground water recharge and mitigation of climate change.

A large number of bird species dependent on these wetlands. They spend their life cycles on them which provides habitat, food, shelter, breeding and nesting ground. At least 12% of all globally threatened birds dependent on wetlands which are specially ponds and lakes.

Madhya Pradesh is very rich in avian diversity with existence of more than 450 birds species. Bhoj Wetland is the largest manmade lake of Asia situated in Bhopal the capital of Madhya Pradesh. It is the only Ramsar site of the state and also designated as IBA( Important Bird Area). It has been recorded about 250 birds species including more than 100 species of migratory birds.

Counting of birds is not only scientific study of birds but it is also a important tool of awareness and conservation of birds. It provides various information about bird diversity, population dynamics in response to environmental change. The Bhoj Wetland Winter Bird Count 2019-20 is a citizen science initiative with combination of different streams of people as students, corporates, local community, birders, govt. officials and researchers.

I Hope this count will help in develop understanding among people about our avian diversity and sensitize them for conservation of birds and our wetlands.



A stylized, handwritten signature in black ink, consisting of a large 'S' and 'R' intertwined.

Dr. Sangeeta Rajgir  
Founder & Member Secretary  
Bhopal Birds Conservation Society,  
Bhopal

“Joy of the journey cannot be found at the end of journey, it must be experienced during the journey”. VNS Nature Saviour started its journey towards conservation of biodiversity with the objective of germinating a sense of responsibility towards nature in the hearts and minds of budding professionals in the society. Here at VNS, we along with our students of various professional courses established Nature Club with this very objective in 2018. This ongoing journey of our Nature Club has been a wonderful learning for all of us. Although, VNS Group of Institutions, Bhopal is situated just next to Ramsar Site, Bhoj wetland, we were largely unaware of its importance in terms of conservation of biodiversity of central India. With active support and expertise sharing from Bhopal Birds Organization we started learning about migratory birds, their habitat and challenges in preserving their habitat for this annual migration. Our volunteers organized bird watching and identification activities, awareness campaigns in nearby villages. We provided artificial nests for bird nesting in college campus, identified trees for nesting, and ensured their optimum numbers for healthy biodiversity in college campus.



Now, equipped with fundamental scientific understanding of birds and their habitat, we along with Bhopal Birds and RMNH, conducted bird counts at Bhoj wetland. Around 150 species of migratory and terrestrial birds were identified and counted; many of these were seen for the first time by most of us.

I believe our journey will achieve its deserving goals but I never imagined that the way to our destination will be so enlightening. VNS Nature Saviour is reinforced to bring positive change in the outlook of the society towards biodiversity for conservation and passing it on to next generation in even better shape.

*Dr. D.K. Swami*

Dr. D.K. Swami,  
Group Director,  
VNS Nature Saviours,  
VNS Group of Institutions,  
Bhopal



# CONTRIBUTORS

## **WORKING COMMITTEE**

1. *Dr. Manoj Kumar Sharma, Scientist-C & In-charge, Regional Museum of Natural History, Bhopal*
2. *Dr. Pradip Nandi , Director General, NCHSE, Bhopal*
3. *Mr. Manik Lal Gupta , Scientist-B, Regional Museum of Natural History, Bhopal*
4. *Dr. D. K Swamy ( Group Director , VNS Group of Institution)*
5. *Dr. Sulakshna Tiwari ( Head of Management studies , VNS Group of Institution)*
6. *Dr. Vipin Dhote ( Head of Pharmacy Department , VNS group of institution)*
7. *Dr. D. K. Pandey ( Head of Engineering Department , VNS group of institution)*
8. *Dr. Sangeeta Rajgir ( Ornithologist , Bhopal Birds organisation)*
9. *Mr. Dilsher Khan ( Vulture Expert , Bhopal )*
10. *Mr. Mohd. Khalique ( Founder & CEO , Bhopal Birds Organisation)*

## **RESOURCE PERSONS**

1. *Dr. Sanjay Shukla, IFS, APCCF-IT, Madhya Pradesh Forest Department*
2. *Dr. Sangeeta Rajgir ( Ornithologist , Bhopal Birds organisation)*
3. *Dr. Manoj Kumar Sharma ( Scientist-C & IN-charge , Regional Museum of Natural History, Bhopal)*
4. *Mr. Manik Lal Gupta ( Scientist-B, Regional Museum of Natural History, Bhopal)*
5. *Mr. Mohd. Khalique ( Ornithologist, Bhopal birds organisation)*
6. *Dr. Sudesh Waghmare ( Retd.ACF, Madhya Pradesh Forest Department)*
7. *Mr. Ramakant Dixit (Retd.ACF, Madhya Pradesh Forest Department)*
8. *Mr. Dilsher Khan ( Vulture Expert)*
9. *Mr. Altaf Baig ( Researcher , AMU)*
10. *Mr. Ravi Mehra ( Bird Expert , Sarus Awareness Center)*
9. *Mr. Bhuvnesh Bairagi ( Bird Expert , Sarus Awareness Center)*
10. *Mr. Ankit Malviya ( Bird Expert , Sarus Awareness Center)*

## Observers

Mr.Uvesh Ansari, Mr. Anmol Sharma, Ms.Nisha Tiwari, Mr.Jaywardhan Pandit, Mr.Alok Malviya, Mr.Ashish Parmar, Mr. Ajay Singh Rajput, Ms.Ratanmala Mishra, Mr.Omkesh Patle, Mr.Ayush Tiwari, Mr.Rahul Kalra, Mr.Rahul Dhurve, Mr.Shiv Prakash Singh, Mr.Shubham Kumar, Mr.Ashutosh Pandit, Mr. Akshat Bhargava, Ms. Madhuri Kale, Mr. Nawal K Shrivastav, Mr. Sunil Kumar Bajpai, Mr.Faruk Husain, Mr.Ahsan Ansari, Ms.Shambhavi Choudhary, Mr.Suresh Pandit, Ms.Umme salma, Ms.Husain Loomwala, Ms. Sadaf Javed, Dr. Madhavi Gaur, Ms. Pratibha Mishar, Ms. Soniya Patel, Ms. Shivani singh, Ms. Darshna Boke, Ms. Mona Kirplani, Ms. Deepali Johari, Mr. Mohan harsey, Ms. Ayushi Kushwah, Mr. Abhinav Tiwari, Mr. Alok Yadav, Ms. Anisha Gupta, Mr. Ashish Tiwari, Mr.Aman Kumar, Mr. Bhaskar Shukla, Mr. Brajesh Baganiya, Mr. Griraj Patidar, Ms. Kushi Gupta, Ms. Kavya Gupta, Mr. Kamran Ahmed, Mr. Munna Kumar, Ms. Madavi soni, Mr.Natwar Singh Solanki, Mr. Namman Gupta, Mr. Rudransh Pandey, Mr.Rajeev Dwivedi, Mr. Rajesh Crapenter, Mr. Satendra Singh, Mr. Shivpujan Siloriya, Mr.Subham Lokhande, Mr.Saddam Hussain, Mr.Saquib Ahmed, Mr.Subham Kumar Sahu, Ms.Tejaswani Raghuwanshi, Ms.Tilanjali Choubey, Mr. Vishal Sharma, Mr. Abishhek Kumar, Mr. Absar Ali, Mr. Amit Kumar Sharma, Mr. Deepak Kumar Sah, Mr. Fahad Raja, Mr. Gaurav Pandey, Ms. Humera Ahmed, Mr.Krishnakant Kumar, Mr. Md.Arquam Dilawar, Mr. Md. Asif, Md. Asif Khan, Mr.Md. Faiz Alam , Mr.Md.Taufeeq Alam, Mr.Md.Akram , Mr.Md. Amir Hamza Nawaz, Mr. Md. Farhan, Mr. Mukesh Kumar, Mr. Nityanand Shukla, Ms. Radha Kumari, Mr.Rahul Ranjan, Mr.Raj Kumar, Mr.Rajesh Kumar, Mr. Rakesh Kumar Thakur, Mr.Ritu Raj , Mr.Roushan Sahani , Mr.Rashid Ali , Mr.Shiva Yadav, Mr. Shivam Upadhyay, Mr. Sujeet Shrivastav, Ms. Yushra Khan, Ms. Astha Pandey, Ms.Alvina Hussain, Mr. Alfiza Baig, Ms. Anushka Upadhay, Ms. Johartul Dhariwal , Ms.Mishkaat Khan, Ms.Sammen Fatima, Ms.Saloni Jain, Ms. Palak lalwami, Ms. Gyatri Mewada, Ms.Sanali Nankani , Ms.Sudha Patel, Ms.Simra Siddiqui, Ms.Swati Bharadwaj , Ms.Laxmi Prajapati, Ms. Priyanka Dharmik, Mr. Shubham Malviya, Mr.Manish Prajapti, Mr. Trashib Malviya, Mr. Virendra Mewada , Dr. Sanjay Nalwade, Dr. Vashundhra Nalwade.



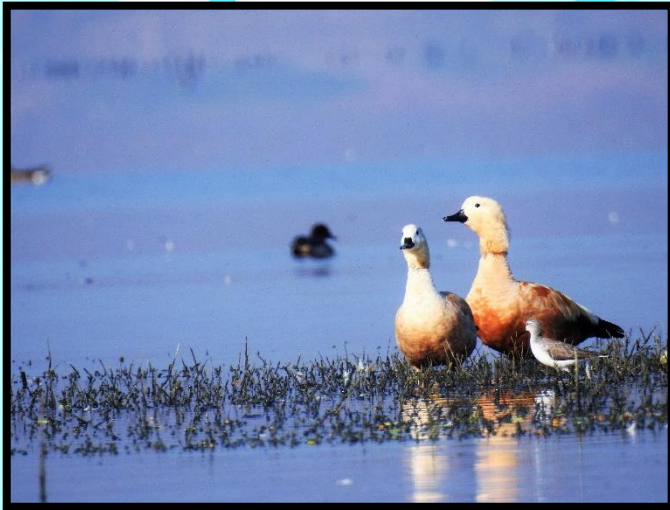


***Common Kingfisher***  
***Alcedo atthis***  
**©Akshat Bhargava**

# 1.INTRODUCTION



Brown-headed Gull  
*Chroicocephalus brunnicephalus* ©Bhopal Birds

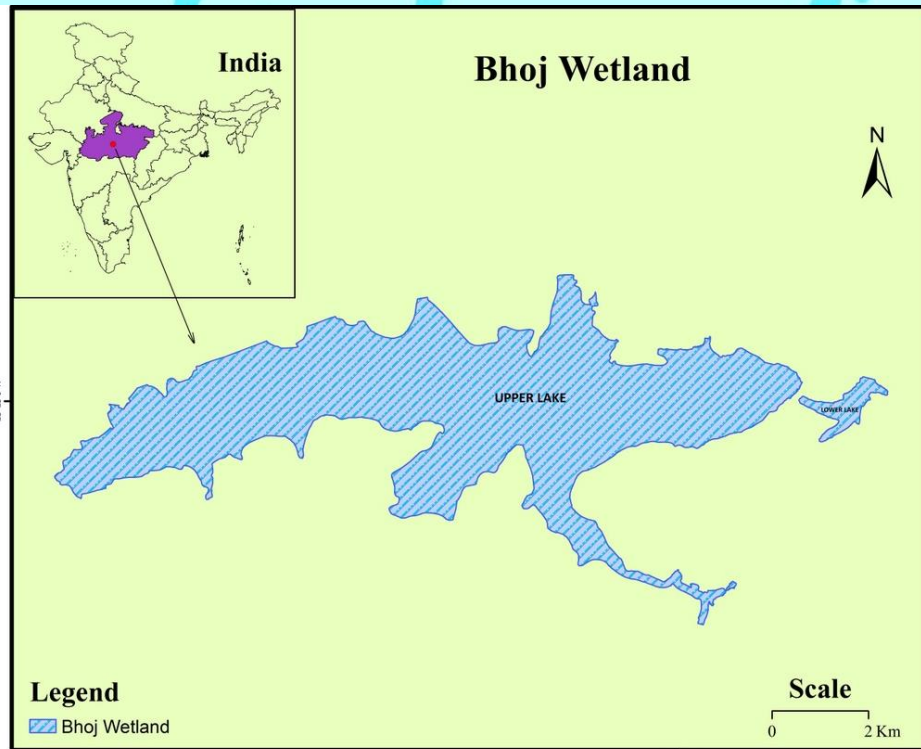


Ruddy Shelduck  
*Tadorna tadorna*  
©Bhopal Birds

The avian diversity of Bhoj Wetland is quite unique. But surprisingly no comprehensive bird count was done till date. This year Bhopal Birds Conservation Society, Bhopal in association with Regional Museum of Natural History, Bhopal (RMNH) and VNS Nature Saviours, VNS Group of Institutions conducted a comprehensive bird count with technical experts/scientists. This time, we aimed to explore a large section of Bhoj Wetland. This count covered avian diversity of Bhoj Wetland, Bhopal found in wetland as well as terrestrial area. Rare, Endangered and Threatened (RET) bird species, niche of the particular species, migratory birds population etc. also covered in this count.



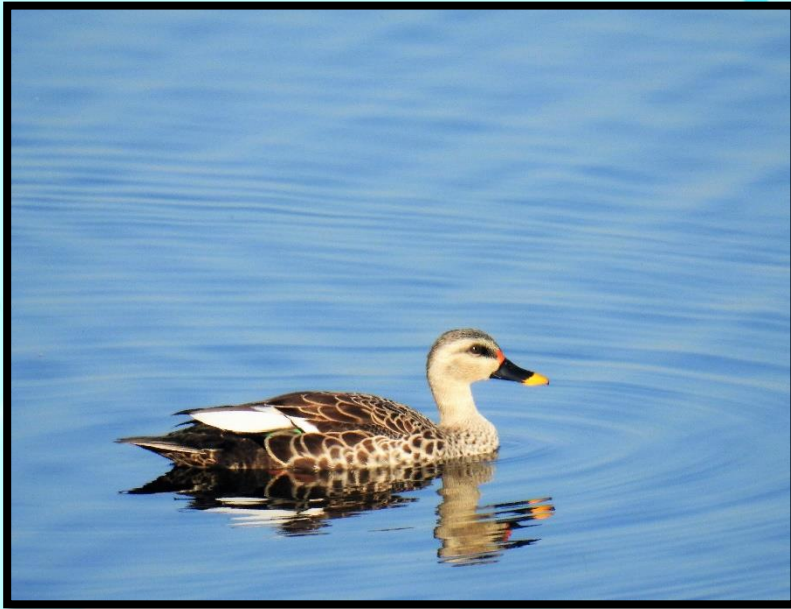
# 2.SITE DESCRIPTION



The Upper lake is very rich in biodiversity, particularly resident and migratory birds, macrophytes, phytoplankton, zooplankton, both natural and cultured fish species, insects, reptiles and amphibians.

Bhoj Wetland comprises two contiguous man-made reservoirs, the "Upper Lake" and the "Lower Lake". The Upper Lake was created by Raja Bhoj in the 11th century by the construction of an earthen dam across the Kolans river, and the Lower Lake was constructed nearly 200 years ago, largely from the overflow of water from the Upper Lake. Both the lakes are urban waterbodies, located in the fast growing city of Bhopal, the state capital of Madhya Pradesh

Bhoj Wetland was designated as a Ramsar site in November 2002. Total Area of the wetland is 31Km<sup>2</sup>. The Upper Lake is surrounded by Van Vihar National Park on the south, human settlements on the east and north, agriculture fields on the west. The Lower Lake is surrounded by human settlements on all sides. The Upper Lake is a major source of potable water for Bhopal.



Spot-billed Duck *Anas poecilorhyncha*  
©Bhopal Birds

A management action plan has been implemented since 1995, with financial support from the Government of Japan. As part of this management plan, to follow up the impact on birds, 18-month study was undertaken in 2000-01, which helped in documenting the avifauna of the site. During this study, more than 20,000 waterbirds (A4iii criteria) were recorded. A belt of deciduous forest, with cliffs and steep contours towards the south eastern boundary comprises Van Vihar National Park. The greater part of the long western and southwestern peripheries of the site is covered with a mix of semidesert and secondary scrub, semi-arid grassland, arable land, improved pasture land, and perennial crop cultivation and forestry plantation.



# 3. AIM & OBJECTIVES

1. To know the estimated winter birds population in Bhoj Wetland , Bhopal .
2. To Know the RET species found in the site
3. To prepare a complete checklist of the site
4. This information was used to determine the likely risk of impact on birds and local bird conservation from the proposed development of the bhopal city, and to recommend precautionary measures , compensation of habitats or mitigation to prevent harm on birds , if necessary.



Indian Golden Oriole *Oriolus kundoo*  
©Bhopal Birds

# 4.METHODOLOGY

Count was conducted in optimal weather conditions ( Dry , with little/ Moderate wind ) and during the peak migratory season ( December & February ). The duration of count was approximately four hours.

Count was undertaken on the 8<sup>th</sup> December, 2019 and 2<sup>nd</sup> February, 2020 within 4 hours of dawn when territorial behavior is usually at its peak.

Total of 20 Kms. distance is covered by foot and vehicle . All birds seen or heard were recorded on a plan along with any significant behavior.



Wolly-necked Stork *Ciconia episcopus*  
©Aksaht Bhargava



# 5.CENSUS DESIGN

The count was conducted in a participatory manner with observers drawn from among the expertise of birdwatchers across the country. Total 225 people from 5 states were selected for both count and took part.

The survey was designed to cover all parts of Bhoj Wetland (Upper & Lower Lake ).Count across the area was ensured by dividing the entire area into 5 Zones. Participants were divided into 5 teams Each team had a experienced resource parsons.

Pre workshop on count techniques and identification of avian species is organized for selected participants on 7<sup>th</sup> December,2019 and 20-22 January ,2020.

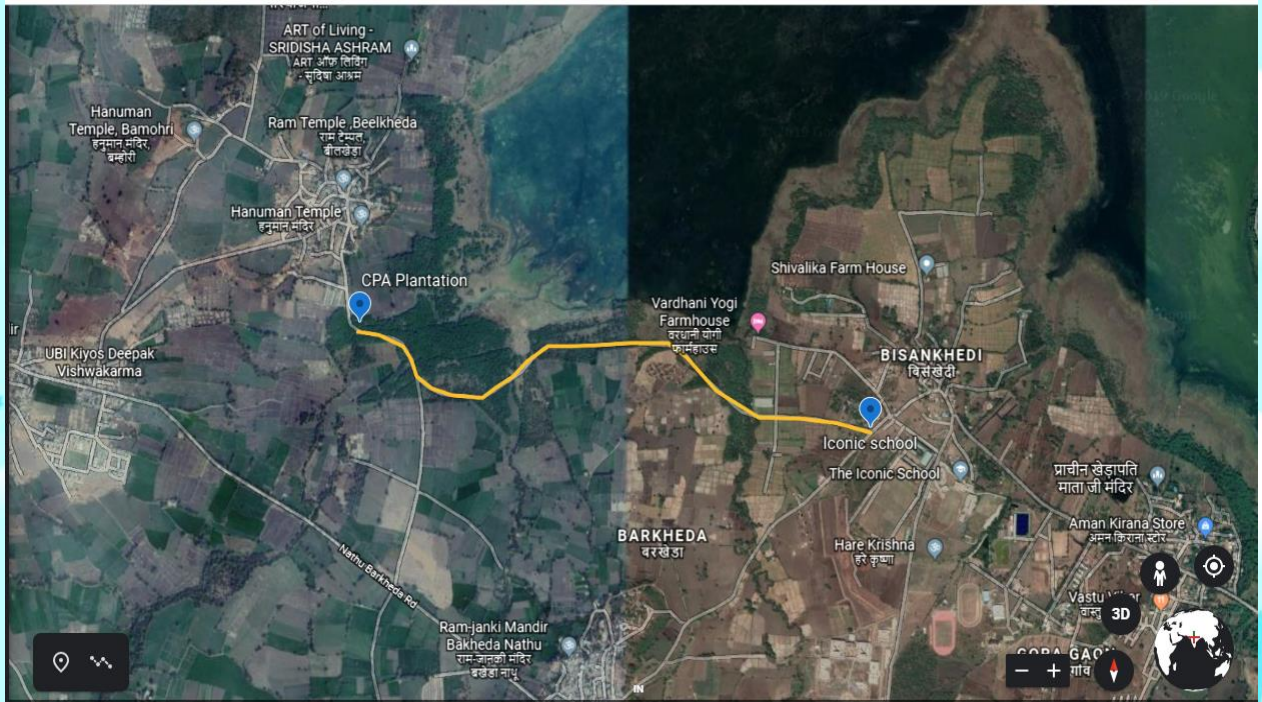




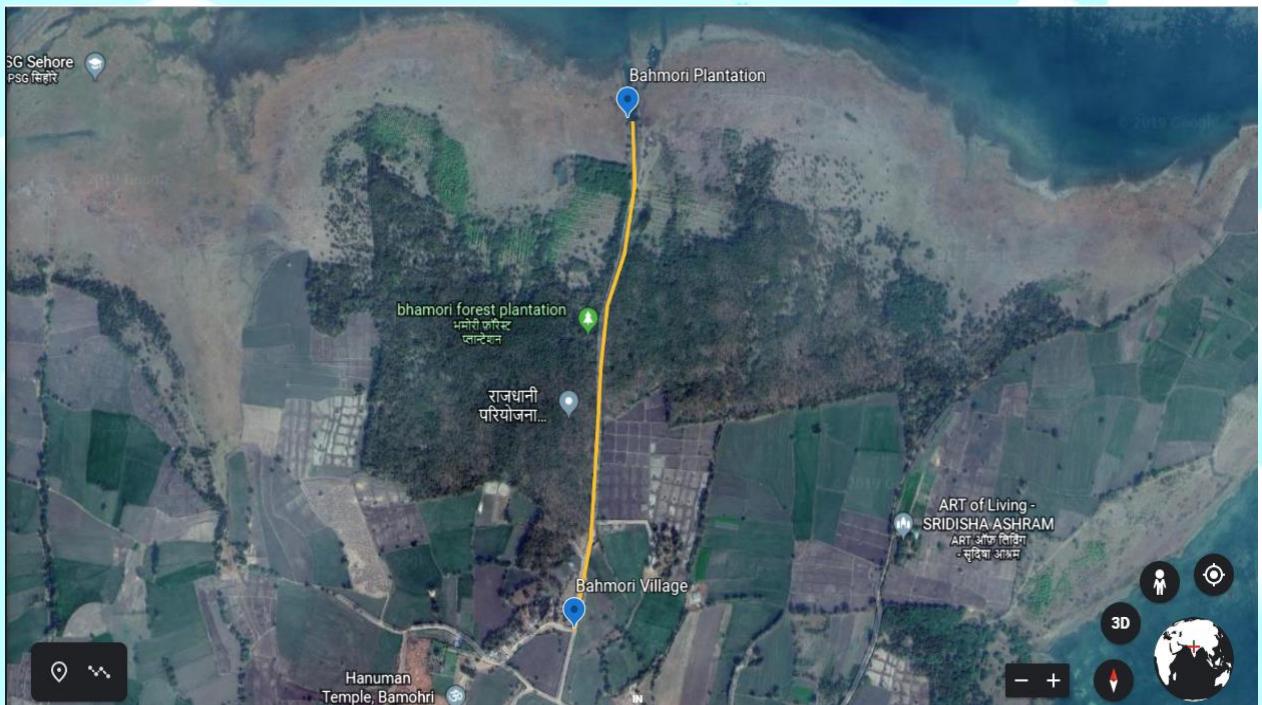
***Pied Bushchat***  
***Saxicola caprata***  
**©Akshat Bhargava**



# 6.CENSUS ROUTES

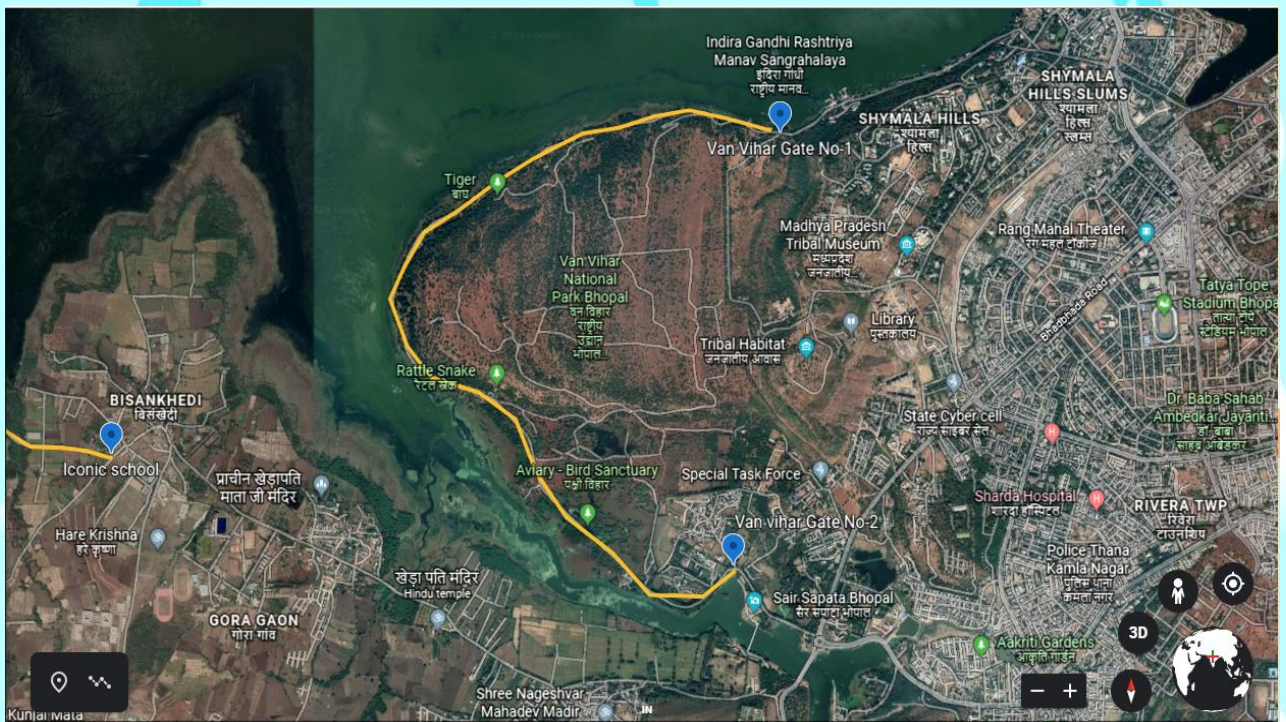


**Route No.1 – Iconic School to CPA plantation**

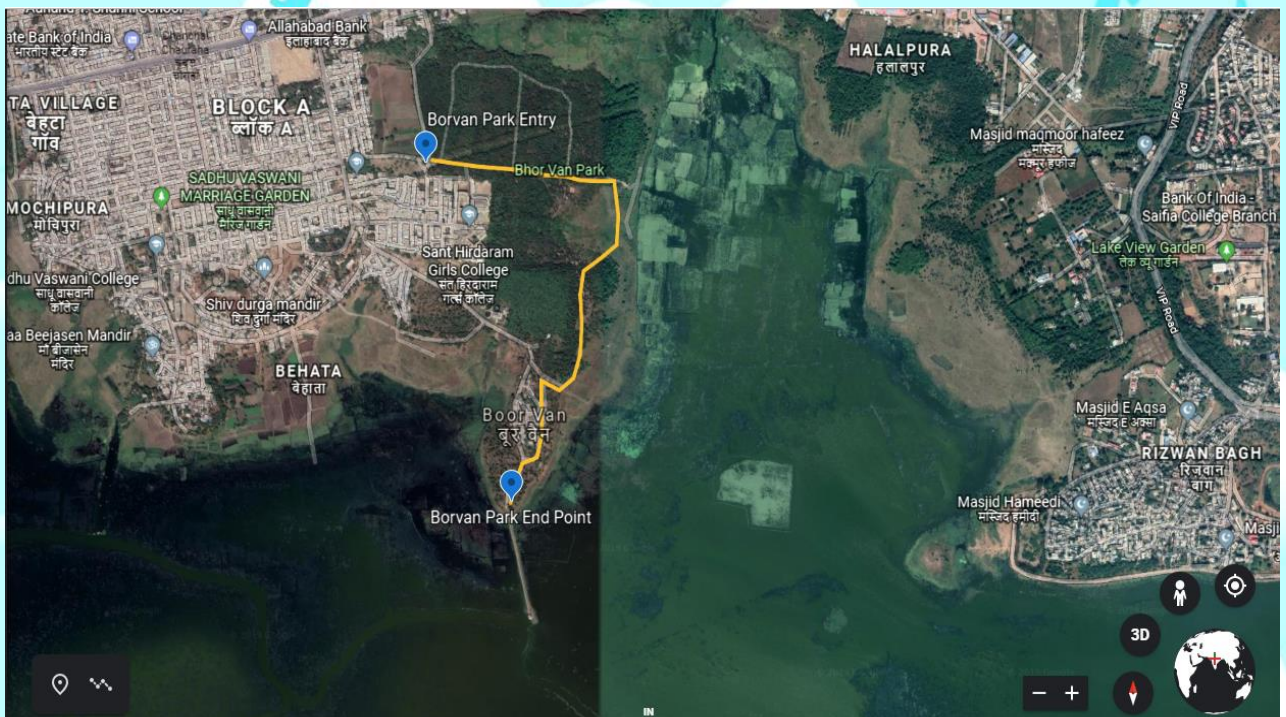


**Route No.2 – Bhamori Village to Bhamori Plantation**



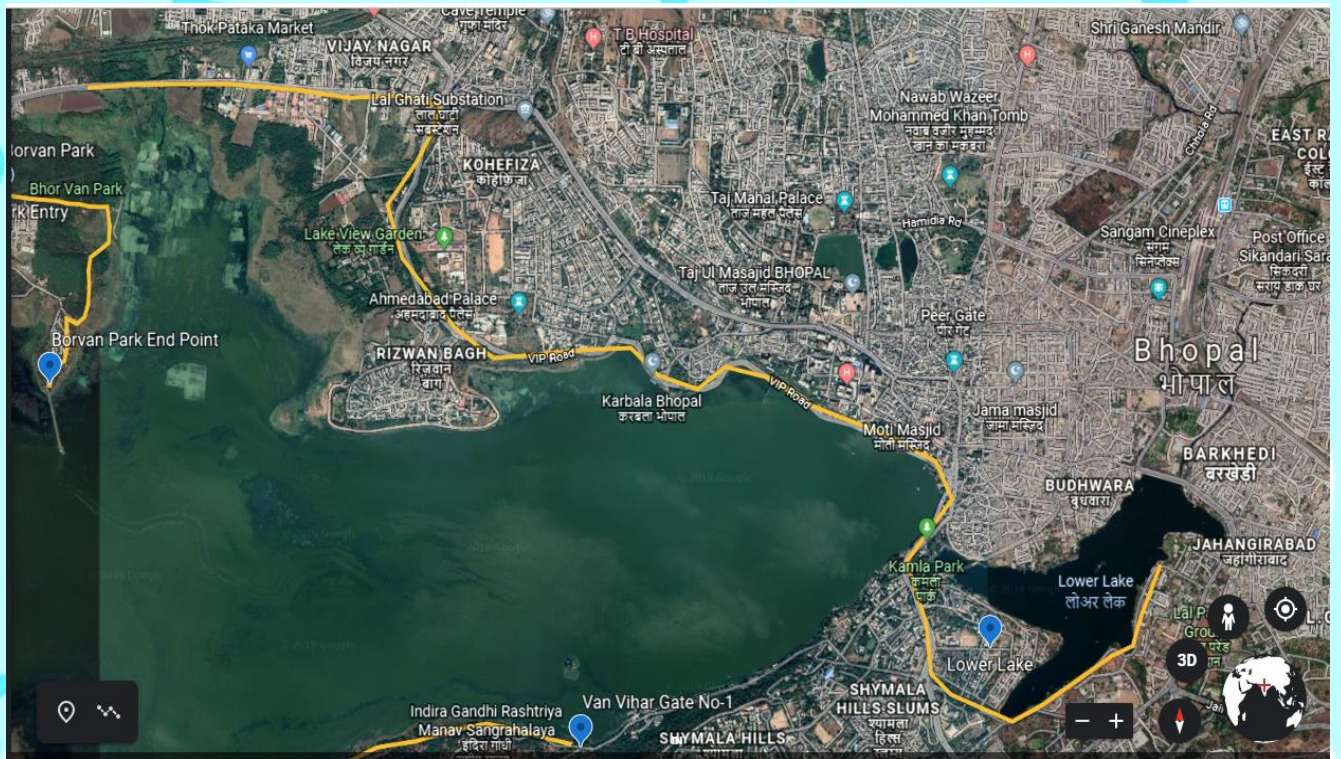


**Route No.3 – Van Vihar National Park National Park  
Gate No.2 to Gate No.1**



**Route No.4 – Borvan Park, Sant Hirdaram Nagar**





## Route No.5 – Lower Lake to Borvan Park

Images captured by Google Earth



# 7.SUMMARY OF CENSUS

| Sr. no | Name of Species                | Scientific Name   | BWBC<br>8 <sup>th</sup><br>December<br>2019 | BWBC<br>2 <sup>nd</sup><br>February<br>2020 |
|--------|--------------------------------|---|---|---|
| 1      | Babbler Common                 | <i>Turdoides caudatus</i>   | -   | ✓   |
| 2      | Babbler Large Grey             | <i>Turdoides malcolmi</i> or <i>Argya malcolmi</i>                  | ✓   | ✓   |
| 3      | Babbler Jungle                 | <i>Turdoides striata</i>  | ✓   | ✓   |
| 4      | Barbet Coppersmith             | <i>Xantholaema haemacephala</i><br>or <i>Megalaima haemacephala</i> | ✓   | ✓   |
| 5      | Bee-eater Little Green         | <i>Merops orientalis</i>  | ✓   | ✓   |
| 6      | Bittern Black                  | <i>Ixobrychus flavicollis</i>                                       | -   | ✓   |
| 7      | Bluethroat                     | <i>Luscinia svecica</i>   | ✓   | -   |
| 8      | Bulbul Red-vented              | <i>Pycnonotus cafer</i>   | ✓   | ✓   |
| 9      | Bunting Black-headed           | <i>Emberiza melanocephala</i>                                       | ✓   | -   |
| 10     | Bunting Red-headed             | <i>Emberiza bruniceps</i>   | ✓   | -   |
| 11     | Buzzard Oriental Honey -       | <i>Pernis ptilorhynchus</i>   | -   | ✓   |
| 12     | Chat Common Stone              | <i>Saxicola maurus</i>  | ✓   | ✓   |
| 13     | Chat Pied bush                 | <i>Saxicola caprata</i>   | ✓   | ✓   |
| 14     | Chat Brown Rock/Indian<br>Chat | <i>Cercomela Fusca</i>  | ✓   | -   |
| 15     | Chiffchaff Siberian            | <i>Phylloscopus [collybita] tristis</i>                             | ✓   | ✓   |



|    |                                     |                                   |   |   |
|----|-------------------------------------|-----------------------------------|---|---|
| 16 | Cisticola Zitting                   | <i>Cisticola juncidis</i>         | ✓ | - |
| 17 | Coot Eurasian                       | <i>Fulica atra</i>                | ✓ | ✓ |
| 18 | Cormorant Great                     | <i>Phalacrocorax carbo</i>        | ✓ | ✓ |
| 19 | Cormorant Little                    | <i>Microcarbo niger</i>           | ✓ | ✓ |
| 20 | Crane Sarus                         | <i>Antigone antigone</i>          | ✓ | ✓ |
| 21 | Crow House                          | <i>Corvus splendens</i>           | ✓ | ✓ |
| 22 | Crow Large-billed                   | <i>Corvus macrorhynchos</i>       | ✓ | ✓ |
| 23 | Cuckoo Indian                       | <i>Cuculus micropterus</i>        | ✓ | - |
| 24 | Darter Oriental                     | <i>Anhinga melanogaster</i>       | - | ✓ |
| 25 | Dove Spotted                        | <i>Spilopelia suratensis</i>      | ✓ | ✓ |
| 26 | Dove Eurasian Collared              | <i>Streptopelia decaocto</i>      | ✓ | ✓ |
| 27 | Dove Laughing                       | <i>Streptopelia senegalensis</i>  | ✓ | ✓ |
| 28 | Dove Oriental turtle                | <i>Streptopelia orientalis</i>    | ✓ | - |
| 29 | Dove Red Collared (Red Turtle Dove) | <i>Streptopelia tranquebarica</i> | - | ✓ |
| 30 | Drongo White-bellied                | <i>Dicrurus caeruleus</i>         | - | ✓ |
| 31 | Drongo Black                        | <i>Dicrurus macrocercus</i>       | ✓ | ✓ |



Wolly-necked Stork *Ciconia episcopus*  
©Aksaht Bhargava

|    |                                     |   |   |   |
|----|-------------------------------------|---|---|---|
| 32 | Duck Ruddy Shelduck (Brahminy Duck) | <i>Tadorna ferruginea</i>               | ✓ | ✓ |
| 33 | Duck Ferruginous                    | <i>Aythya nyroca</i>                    | - | ✓ |
| 34 | Duck Indian Spot-billed             | <i>Anas poecilorhyncha</i>              | ✓ | ✓ |
| 35 | Duck Knob-billed (Comb)             | <i>Sarkidiornis melanotos</i>           | - | ✓ |
| 36 | Gadwall                             | <i>Mareca strepera</i>                  | - | ✓ |
| 37 | Garganey                            | <i>Anas querquedula</i>                 | - | ✓ |
| 38 | Duck Lesser Whistling-              | <i>Dendrocygna javanica</i>             | ✓ | ✓ |
| 39 | Northern Pintail                    | <i>Anas acuta</i>                       | - | ✓ |
| 40 | Eagle Greater spotted               | <i>Clanga clanga</i>                    | - | ✓ |
| 41 | Egret Cattle                        | <i>Bubulcus ibis</i>                    | ✓ | ✓ |
| 42 | Egret Great                         | <i>Ardea alba</i>                       | ✓ | ✓ |
| 43 | Egret Intermediate                  | <i>Egretta intermedia</i>               | ✓ | ✓ |
| 44 | Egret Little                        | <i>Egretta garzetta</i>                 | ✓ | ✓ |
| 45 | Fantail White-browed                | <i>Rhipidura aureola</i>                | - | ✓ |
| 46 | Flamingo Greater                    | <i>Phoenicopterus roseus</i>            | ✓ | - |
| 47 | Flycatcher Asian Brown              | <i>Muscicapa latirostris (dauurica)</i> | ✓ | - |



Green Bee-eater *Merops orientalis*  
©Aksaht Bhargava



|    |  |                                    |   |   |
|----|--|------------------------------------|---|---|
| 48 | Flycatcher Red-breasted                    | <i>Ficedula parva</i>              | ✓ | - |
| 49 | Flycatcher Taiga (Red throated Flycatcher) | <i>Ficedula albicilla</i>          | ✓ | - |
| 50 | Flycatcher Tickell's Blue                  | <i>Cyornis tickelliae</i>          | - | ✓ |
| 51 | Flycatcher Ultramarine                     | <i>Ficedula superciliaris</i>      | - | ✓ |
| 52 | Flycatcher Verditer                        | <i>Eumyias thalassinus</i>         | ✓ | - |
| 53 | Francolin Grey                             | <i>Francolinus pondicerianus</i>   | ✓ | ✓ |
| 54 | Goose Greylag                              | <i>Anser anser</i>                 | - | ✓ |
| 55 | Gull Black-headed                          | <i>Chroicocephalus ridibundus</i>  | ✓ | - |
| 56 | Harrier Eurasian Marsh                     | <i>Circus aeruginosus</i>          | ✓ | ✓ |
| 57 | Heron Black-crowned Night                  | <i>Nycticorax nycticorax</i>       | ✓ | - |
| 58 | Heron Grey                                 | <i>Ardea cinerea</i>               | ✓ | ✓ |
| 59 | Heron Indian Pond                          | <i>Ardeola grayii</i>              | ✓ | ✓ |
| 60 | Heron Purple                               | <i>Ardea purpurea</i>              | ✓ | ✓ |
| 61 | Hoopoe Common                              | <i>Upupa epops</i>                 | ✓ | ✓ |
| 62 | Hornbill Indian Grey                       | <i>Ocyrceros birostris</i>         | ✓ | - |
| 63 | Ibis Black headed                          | <i>Threskiornis melanocephalus</i> | ✓ | ✓ |
| 64 | Ibis Glossy                                | <i>Plegadis falcinellus</i>        | ✓ | ✓ |
| 65 | Ibis Indian Black (Red-naped Ibis)         | <i>Pseudibis papillosa</i>         | - | ✓ |
| 66 | Iora Common                                | <i>Aegithina tiphia</i>            | ✓ | ✓ |
| 67 | Jacana Bronze-winged                       | <i>Metopidius indicus</i>          | ✓ | ✓ |
| 68 | Jacana Pheasant-tailed                     | <i>Hydrophasianus chirurgus</i>    | ✓ | ✓ |
| 69 | Kestrel Common                             | <i>Falco tinnunculus</i>           | - | ✓ |
| 70 | Kingfisher Common                          | <i>Alcedo atthis</i>               | ✓ | ✓ |
| 71 | Kingfisher Pied                            | <i>Ceryle rudis</i>                | ✓ | - |

|    |   |                                 |   |   |
|----|---|---------------------------------|---|---|
| 72 | Kingfisher White-throated (White Breasted Kingfisher) | <i>Halcyon smyrnensis</i>       | ✓ | ✓ |
| 73 | Kite Black  | <i>Milvus migrans</i>           | ✓ | ✓ |
| 74 | Kite Black-winged (Black Shouldered Kite)             | <i>Elanus caeruleus</i>         | ✓ | - |
| 75 | Koel Asian  | <i>Eudynamys scolopaceus</i>    | - | ✓ |
| 76 | Lapwing Red-wattled                                   | <i>Vanellus indicus</i>         | ✓ | ✓ |
| 77 | Lapwing Yellow-wattled                                | <i>Vanellus malabaricus</i>     | - | ✓ |
| 78 | Lark Ashy-crowned Sparrow-                            | <i>Eremopterix griseus</i>      | ✓ | - |
| 79 | Lark Rufous-tailed                                    | <i>Ammomanes phoenicura</i>     | ✓ | ✓ |
| 80 | Martin Dusky Crag-                                    | <i>Ptyonoprogne concolor</i>    | - | ✓ |
| 81 | Martin Plain  | <i>Riparia pauldicola</i>       | ✓ | - |
| 82 | Minivet Small   | <i>Pericrocotus cinnamomeus</i> | ✓ | ✓ |
| 83 | Monarch Black-naped Monarch                           | <i>Hypothymis azurea</i>        | ✓ | ✓ |
| 84 | Moorhen Common  | <i>Gallinula chloropus</i>      | ✓ | ✓ |
| 85 | Munia (Red Avadavat)                                  | <i>Amandava amandava</i>        | ✓ | - |
| 86 | Munia Black-headed                                    | <i>Lonchura malacca</i>         | - | ✓ |
| 87 | Munia Silverbill Indian                               | <i>Euodice malabarica</i>       | ✓ | ✓ |
| 88 | Myna Common   | <i>Acridotheres tristis</i>     | ✓ | - |
| 89 | Oriole Indian Golden                                  | <i>Oriolus kundoo</i>           | ✓ | ✓ |
| 90 | Osprey  | <i>Pandion haliaetus</i>        | - | ✓ |

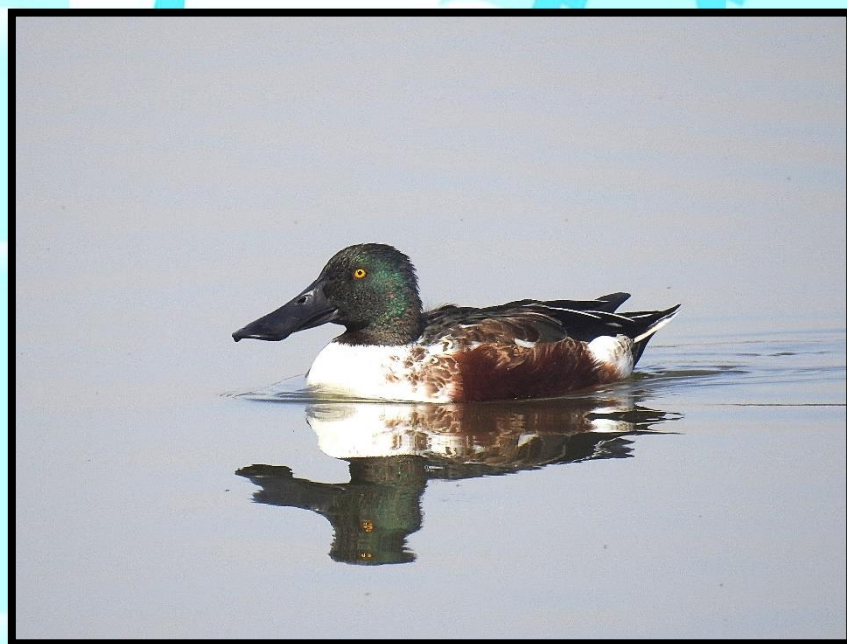


Black-headed Bunting  
*Emberiza melanocephala* ©Bhopal birds



|     |  |                                 |   |   |
|-----|--|---------------------------------|---|---|
| 91  | Owlet Spotted  | <i>Athene brama</i>             | ✓ | - |
| 92  | Parakeet Rose-ringed                                   | <i>Psittacula krameri</i>       | ✓ | ✓ |
| 93  | Parakeet Plum-headed                                   | <i>Psittacula cyanocephala</i>  | - | ✓ |
| 94  | Peafowl Indian   | <i>Pavo cristatus</i>           | ✓ | ✓ |
| 95  | Pigeon Rock  | <i>Columba livia</i>            | ✓ |   |
| 96  | Pipit Paddyfield                                       | <i>Anthus rufulus</i>           | ✓ | ✓ |
| 97  | Pipit Tree   | <i>Anthus trivialis</i>         | ✓ | - |
| 98  | Plover Little Ringed                                   | <i>Charadrius dubius</i>        | - | ✓ |
| 99  | Pochard Red-crested                                    | <i>Netta rufina</i>             | - | ✓ |
| 100 | Pochard Common   | <i>Aythya ferina</i>            | - | ✓ |
| 101 | Prinia Grey-breasted                                   | <i>Prinia hodgsonii</i>         | ✓ | ✓ |
| 102 | Prinia Plain   | <i>Prinia inornata</i>          | ✓ | - |
| 103 | Prinia Ashy  | <i>Prinia socialis</i>          | ✓ | ✓ |
| 104 | Redstart Black   | <i>Phoenicurus ochruros</i>     | ✓ | ✓ |
| 105 | Robin Indian or Indian Black                           | <i>Copsychus fulicatus</i>      | ✓ | ✓ |
| 106 | Robin Oriental Magpie-                                 | <i>Copsychus saularis</i>       | ✓ | ✓ |
| 107 | Roller Indian  | <i>Coracias b. benghalensis</i> | ✓ | ✓ |
| 108 | Sandpiper Green  | <i>Tringa ochropus</i>          | ✓ | - |
| 109 | Sandpiper Marsh  | <i>Tringa stagnatilis</i>       | ✓ | ✓ |
| 110 | Shikra   | <i>Accipiter badius</i>         | ✓ | ✓ |
| 111 | Shrike Bay-backed                                      | <i>Lanius vittatus</i>          | ✓ | ✓ |
| 112 | Snipe Common   | <i>Gallinago gallinago</i>      | ✓ | - |
| 113 | Sparrow House  | <i>Passer domesticus</i>        | ✓ | ✓ |
| 114 | Sparrow Yellow-throated (Chestnut Shouldered Petronia) | <i>Petronia xanthocollis</i>    | ✓ | ✓ |
| 115 | Starling Asian Pied (Pied Myna)                        | <i>Gracupica contra</i>         | - | ✓ |
| 116 | Starling Brahminy (Brahminy Myna)                      | <i>Sturnia pagodarum</i>        | ✓ | ✓ |

|     |   |                                 |   |   |
|-----|---|---------------------------------|---|---|
| 117 | Stilt Black-winged                          | <i>Himantopus himantopus</i>    | ✓ | ✓ |
| 118 | Stint Little                                | <i>Calidris minuta</i>          | - | ✓ |
| 119 | Stork Open-Billed or Asian-Openbill         | <i>Anastomus oscitans</i>       | ✓ | ✓ |
| 120 | Stork Painted                               | <i>Mycteria leucocephala</i>    | ✓ | ✓ |
| 121 | Stork, Asian Woollyneck Woolly-necked Stork | <i>Ciconia episcopus</i>        | ✓ | ✓ |
| 122 | Sunbird Purple                              | <i>Cinnyris asiaticus</i>       | ✓ | ✓ |
| 123 | Swallow Barn                                | <i>Hirundo rustica</i>          | ✓ | ✓ |
| 124 | Swallow Wire-tailed                         | <i>Hirundo smithii</i>          | - | ✓ |
| 125 | Swamphen Purple / Purple Moorhen            | <i>Porphyrio porphyrio</i>      | ✓ | - |
| 126 | Alpine swift                                | <i>Tachymarptis melba</i>       | - | ✓ |
| 127 | Little Swift                                | <i>Apus affinis</i>             | ✓ | ✓ |
| 128 | Swift, Asian Palm                           | <i>Cypsiurus balasiensis</i>    | ✓ | - |
| 129 | Tailorbird Common                           | <i>Orthotomus sutorius</i>      | ✓ | ✓ |
| 130 | Teal Common                                 | <i>Anas crecca</i>              | - | ✓ |
| 131 | Teal cotton or Cotton Pygmy-Goose           | <i>Nettapus coromandelianus</i> | - | ✓ |
| 132 | Tern Little                                 | <i>Sterna albifrons</i>         | ✓ | - |
| 133 | Tern River                                  | <i>Sterna aurantia</i>          | ✓ | ✓ |
| 134 | Treepie Rufous                              | <i>Dendrocitta vagabunda</i>    | ✓ | - |



Northern Shoveler  
*Anas clypeata*  
©Bhopal Birds

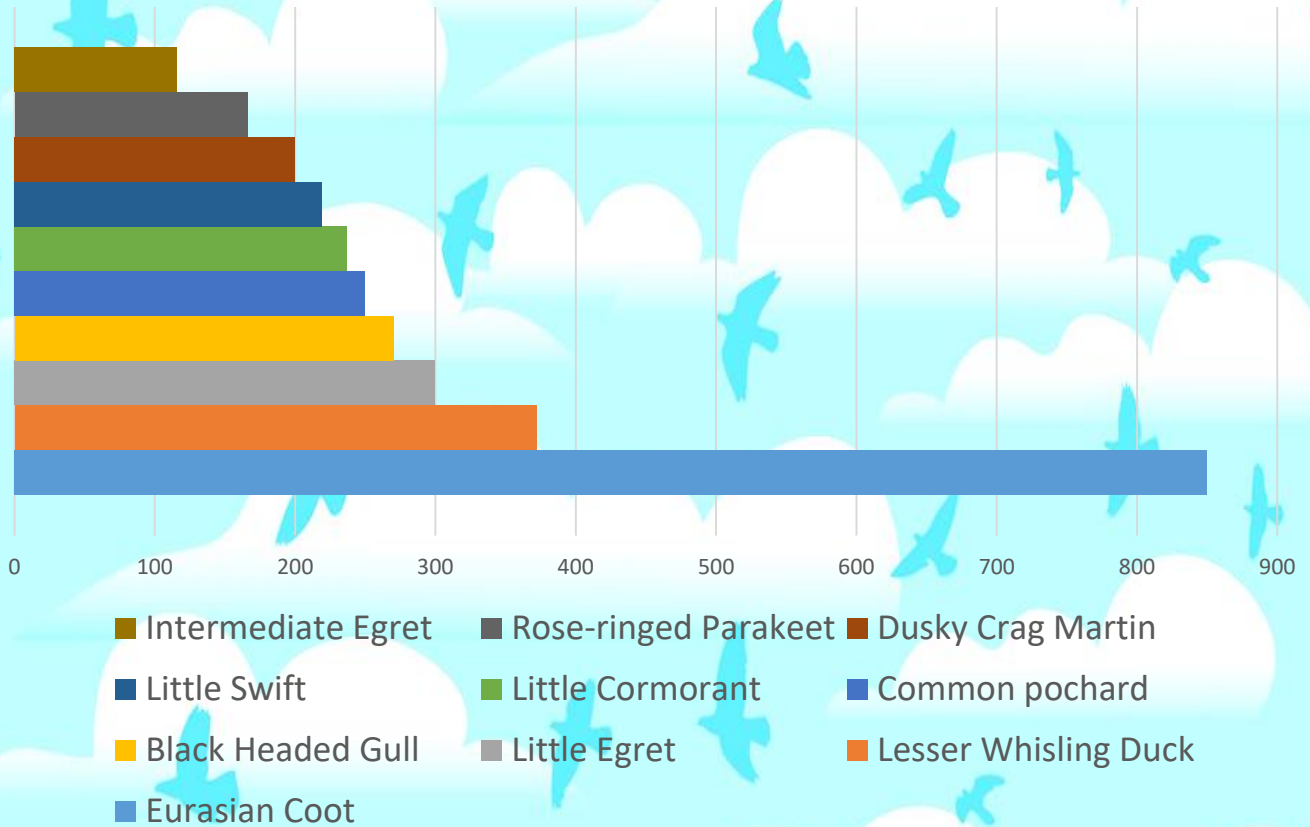


|     |  |                                   |   |   |
|-----|--|-----------------------------------|---|---|
| 135 | Vulture Egyptian                             | <i>Neophron percnopterus</i>      | - | ✓ |
| 136 | Wagtail Citrine                              | <i>Motacilla citreola</i>         | ✓ | ✓ |
| 137 | Wagtail White                                | <i>Motacilla alba</i>             | - | ✓ |
| 138 | Wagtail White-browed<br>(Large Pied Wagtail) | <i>Motacilla maderaspatensis</i>  | ✓ | ✓ |
| 139 | Wagtail Grey                                 | <i>Motacilla cinerea</i>          | - | ✓ |
| 140 | Wagtail Yellow                               | <i>Motacilla flava</i>            | ✓ | - |
| 141 | Warbler Blyth's Reed                         | <i>Acrocephalus dumetorum</i>     | ✓ | ✓ |
| 142 | Warbler Booted                               | <i>Iduna caligata</i>             | ✓ | ✓ |
| 143 | Warbler Greenish                             | <i>Phylloscopus trochiloides</i>  | ✓ | ✓ |
| 144 | Warbler Sykes's                              | <i>Lduna rama</i>                 | ✓ | ✓ |
| 145 | Waterhen White-breasted                      | <i>Amaurornis phoenicurus</i>     | ✓ | ✓ |
| 146 | Weaver Baya (Indian Weaver)                  | <i>Ploceus p. philippinus</i>     | ✓ | ✓ |
| 147 | White-eye, Oriental                          | <i>Zosterops palpebrosus</i>      | ✓ | ✓ |
| 148 | Whitethroat Lesser                           | <i>Sylvia curruca</i>             | ✓ | ✓ |
| 149 | Wigeon Eurasian                              | <i>Anas penelope</i>              | - | ✓ |
| 150 | Woodshrike Common                            | <i>Tephrodornis pondicerianus</i> | ✓ | - |
| 151 | Wryneck Eurasian                             | <i>Jynx torquilla</i>             | ✓ | - |



Flock of Birds  
©Bhopal Birds

## *Top Ten Species ( As per total of both Count)*





## *Sighting of Migratory Waterfowls ( 8<sup>th</sup> December,2019)*



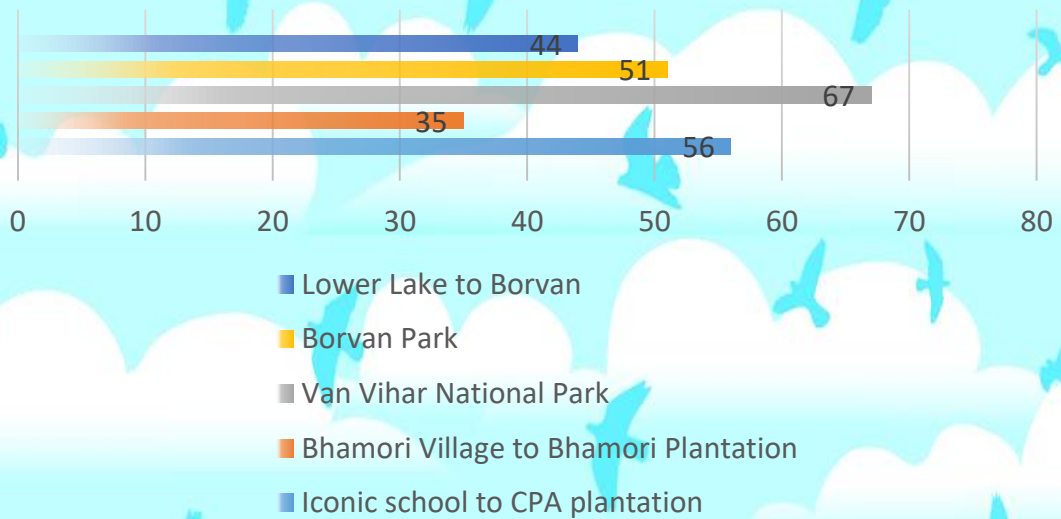
## *Sighting of Migratory Waterfowls ( 2<sup>nd</sup> February, 2020)*



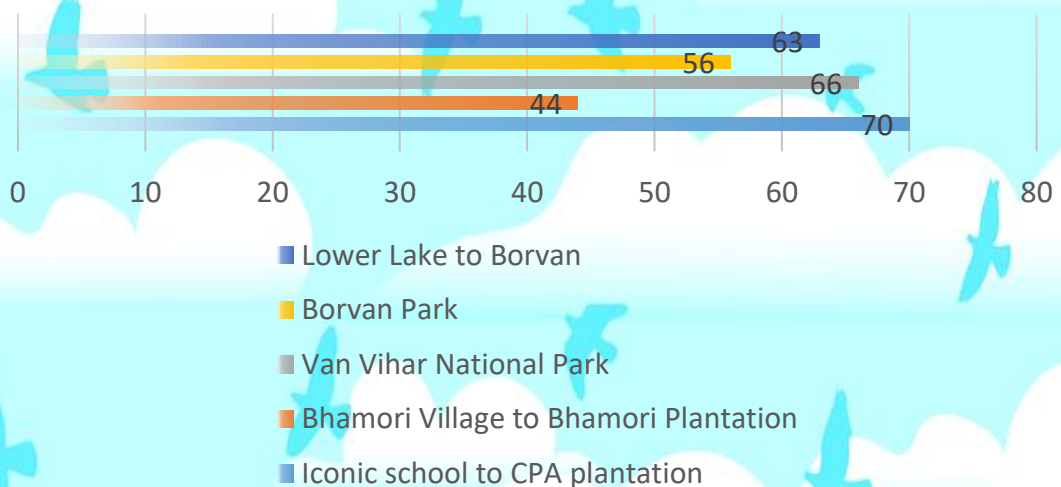


## *Number of birds species per Route*

### NUMBER OF BIRDS PER ROUTE 8TH DECEMBER , 2019

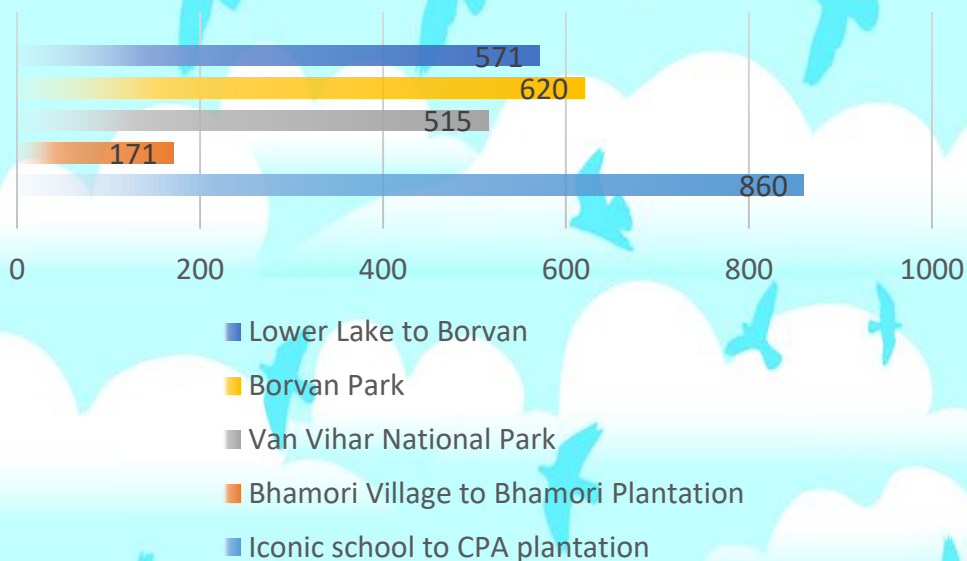


### NUMBER OF BIRDS PER ROUTE 2ND FEBRUARY , 2020

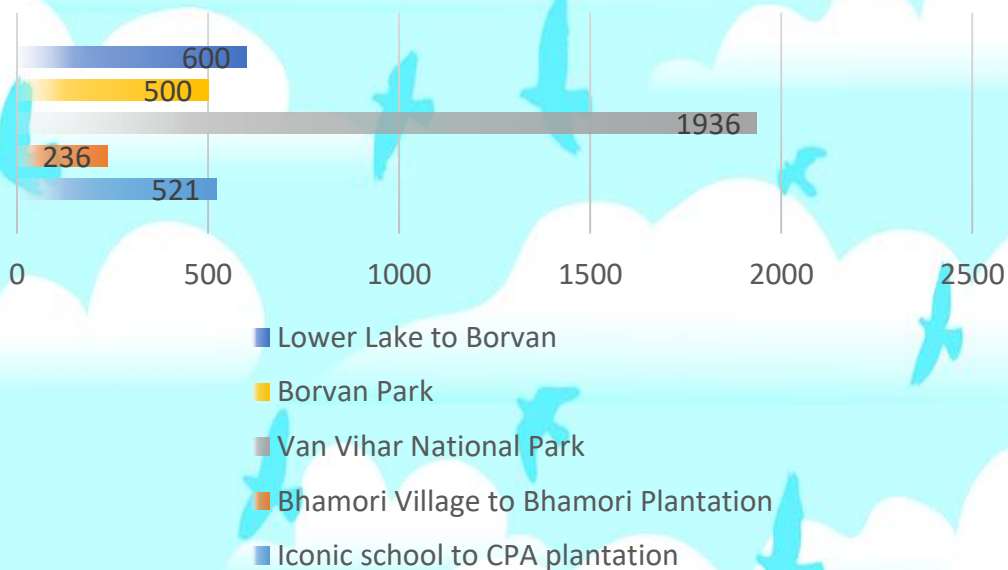


## *Population of birds species per Route*

### POPULATION OF BIRDS PER ROUTE 8TH DECEMBER , 2019



### POPULATION OF BIRDS PER ROUTE 2ND FEBRAURY,2019

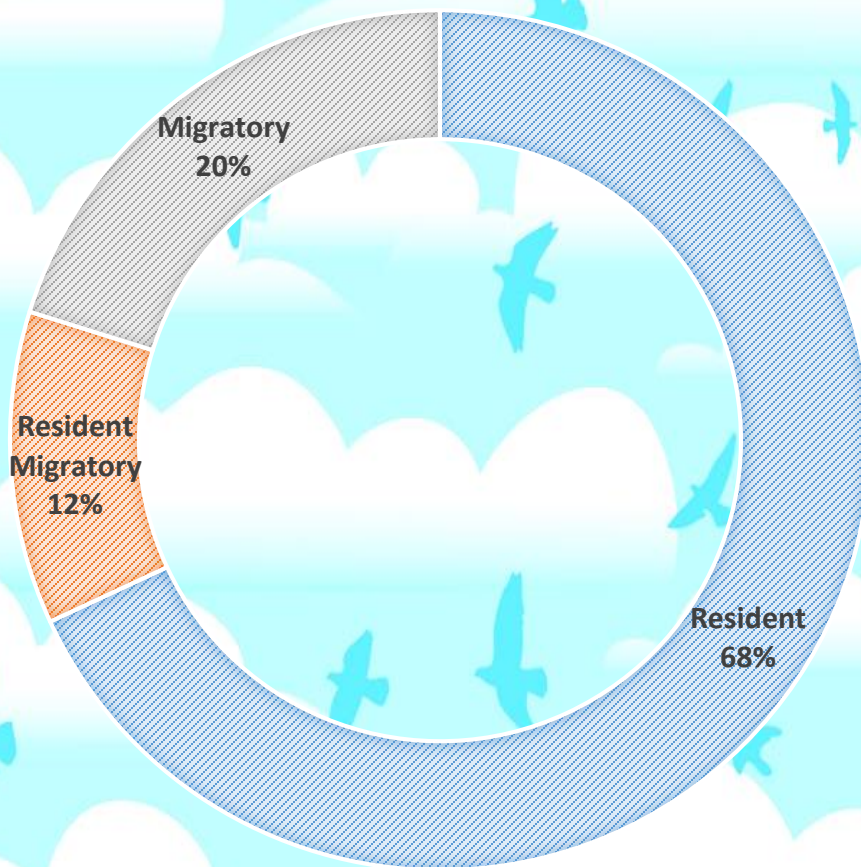




## *Status wise percentage of Birds Species*

**8<sup>TH</sup> DECEMBER ,2019**

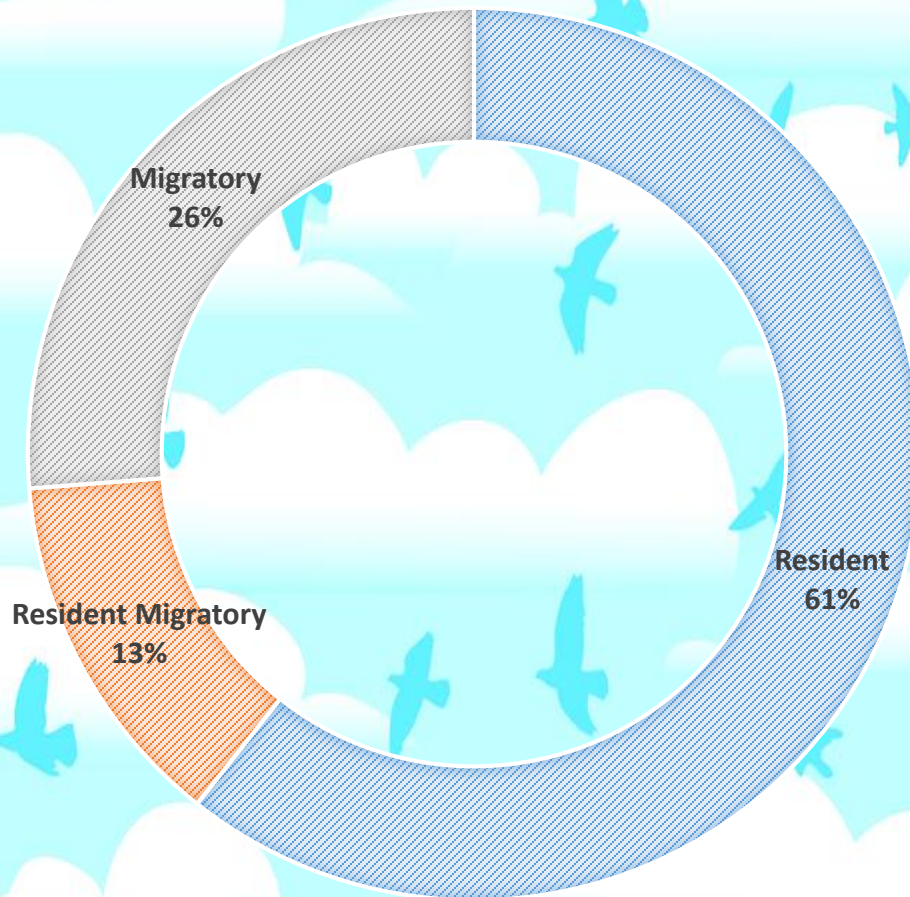
■ Resident ■ Resident Migratory ■ Migratory



## *Status wise percentage of Birds Species*

**2<sup>ND</sup> FEBRUARY, 2020**

■ Resident ■ Resident Migratory ■ Migratory





## Threatened Species Recorded

|    |                 |  |
|----|-----------------|--|
| 1. | Endangered      | Egyptian Vulture   |
| 2. | Vulnerable      | Common Pochard<br>Sarus Crane<br>Asian Wollyneck Stork<br>Greater Spotted Eagle          |
| 3. | Near Threatened | Ferruginous Duck<br>Painted Stork<br>Black –headed Ibis<br>Oriental Darter<br>River Tern |

\* As per IUCN Category



Sarus Crane  
Grus antigone  
©Bhopal Birds

# 8. RARE SIGHTING



©Bhopal Birds

**Common Name:** Black Bittern

**Scientific Name:** *Ixobrychus flavicollis*

## **Range:**

Found from the Indian subcontinent to southern China, Southeast Asia and northern Australia with some northern population wintering in Southeast Asia



**Identification:** Male has black upperparts, whitish throat, whitish breast with dense dark streaks, and yellow neck-patch. Female resembles male but has darker brown upperparts and more rufescent breast-streaks. Juvenile resemble female but feathers of the crown and upperside have narrow rufous fringes, giving a scaly appearance.

**Sighting:** Van Vihar  
National Park

**Date:** 2<sup>nd</sup> February , 2020





**Bhopal Birds Conservation Society**

Contact: 9303115519, 9329990886 Email: [bhopalbirds@yahoo.com](mailto:bhopalbirds@yahoo.com)