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FIELD VISIT REPORT

Field location	***4 No. Bheri Fisherman's Co Society Limited***
Agenda	***To understand the ecosystem services and the point count method of bird census & identify those species during the census.***
Project	***Study to preserve the environmental & ecological balance of flora & fauna.***
Date	***31st August, 2025 (Sunday)***
Visited by	***Sivansh Gupta, Anupam Pal***
Report drafted by	***Sivansh Gupta***

Objective of the visit:	• ***To understand ecosystem services.*** • ***To quantify bird populations and classify their species in order to understand their respective ecosystems.***
Output of the visit:	• ***Detailed insight into the ecosystem services of the surroundings.*** • ***Detailed record of the number of birds observed along with their identified species, providing insights into species diversity, population distribution, and the overall health of the ecosystem.***
Methodology/activity tools used	***Visual Approach (Visually spotting different species.), GPS, Camera***

Visit Summary:

The field visit was mainly aimed at watching the ecosystem services and learning about the integrated aquaculture-waste management system in East Kolkata Wetlands, with a parallel set of bird observations and species identification.

We arrived at the site around 7:30 a.m. to observe the overall ecological operation of the wetland system. Our goals were to observe and understand the ecosystem services. For example, to observe how wastewater is systematically added to the bheri systems to act as a nutrient source to plankton communities. We kept bird counts and species records during the visit to determine the avian biodiversity maintained by this peculiar ecosystem. The holistic approach helped us understand the complex nature of the wetland services, ranging from waste treatment and aquaculture yields to biodiversity protection.

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Census Point Observations Table:

Bird Species	Total
Indian Pond Heron (*Ardeola grayii*)	2
Night Heron (*Nycticorax nycticorax*)	6
House Crow (*Corvus splendens*)	14
Little Cormorant (*Microcarbo niger*)	5
Coppersmith barbet (*Megalaima haemacephala*)	3
Indian Pied Myna (*Gracupica contra*)	2
White-throated Kingfisher (*Halcyon smyrnensis*)	2
Asian Openbill Stork (*Anastomus oscitans*)	3
Common Tailorbird (*Orthotomus sutorius*)	2

GPS Coordinates: 22°33'24"N 88°25'15"E

Attachments



Indian Pond Heron (*Ardeola grayii*)



Little Cormorant (*Microcarbo niger*)



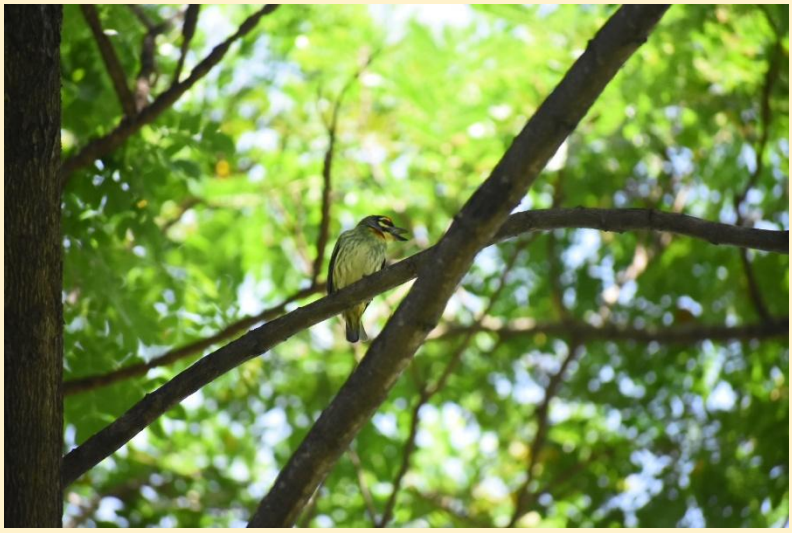
Black-crowned Night Heron (*Nycticorax nycticorax*)



Greater Coucal (*Centropus sinensis*)

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Coppersmith Barbet (*Megalaima haemacephala*)

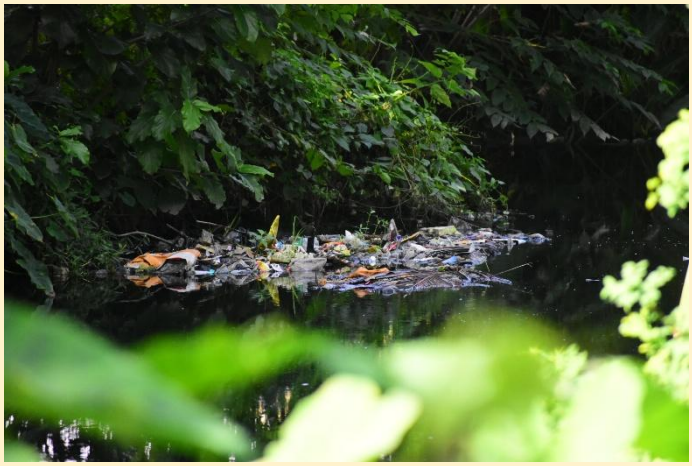


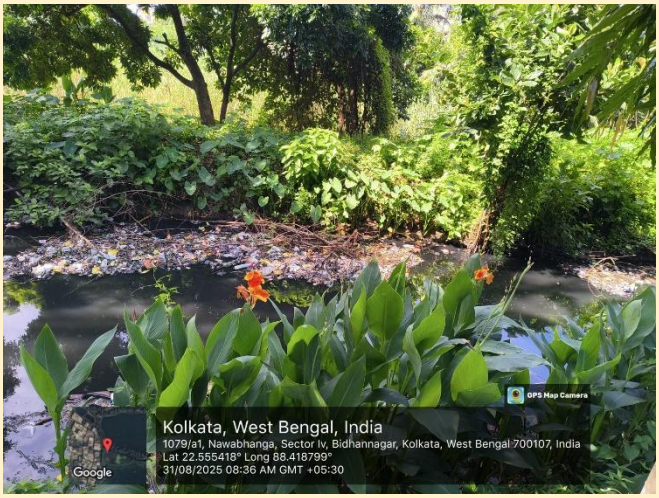


Fish Distribution

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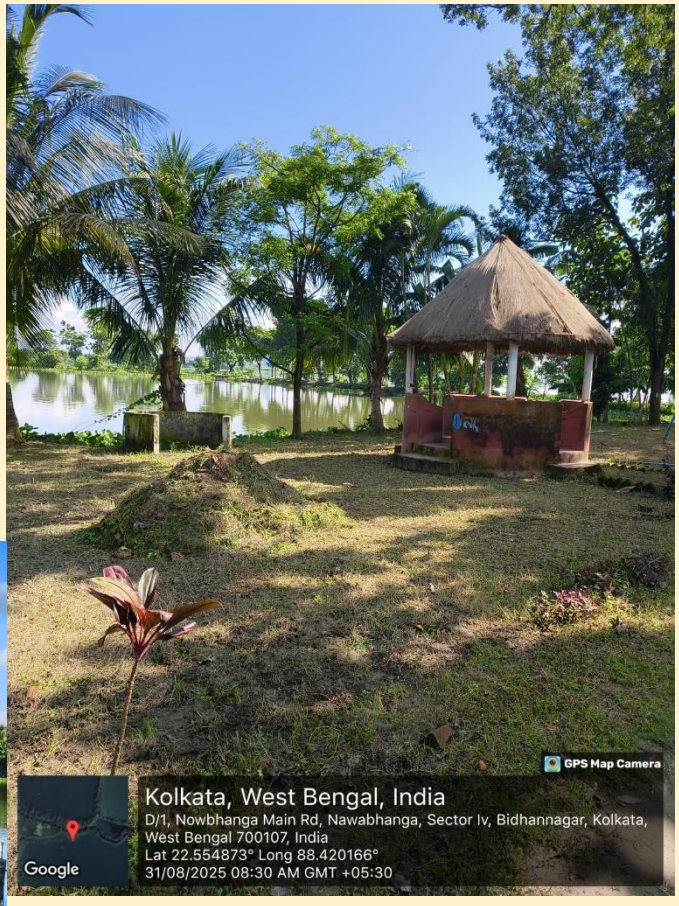
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Trash Accumulated throughout the Bheri





Picnic Spot for the Locals



Gate to mix the waste water into the bheri for plankton growth

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Locals returning



Another gate to mix waste water with the bheris



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