

Report on Nature Study trip to Pobitora Wildlife Sanctuary

Session 2024-25



Organized By
Department of Chemistry
Morigaon College
782105

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Report on Nature Study trip to Pobitora Wildlife Sanctuary

Date: 24/11/2024

Venue: Pobitora Wildlife Sanctuary, Morigaon

Organized by: Department of Chemistry

Objective: The visit to Pobitora Wildlife Sanctuary offers undergraduate science students a unique opportunity to gain practical knowledge, foster environmental awareness, and understand the importance of conservation efforts. This field experience aligns with academic learning by integrating theoretical concepts with real-world applications.

The primary objective of the visit is to study biodiversity and ecosystems in a natural habitat. Pobitora is known for its dense population of the Indian one-horned rhinoceros, alongside a variety of other flora and fauna. Observing these species in their natural environment allows students to comprehend ecological relationships, habitat dynamics, and species behaviour, which enhances their understanding of theoretical concepts in environmental science.

Another significant objective is to expose students to conservation challenges and the measures being taken to address them. Pobitora serves as an excellent case study for understanding human-wildlife coexistence, the role of protected areas in biodiversity conservation, and the threats posed by habitat destruction, poaching, and climate change. Interacting with forest officials and conservationists during the visit provides insights into real-world conservation practices and policies.

Additionally, the visit aims to develop observational and analytical skills through activities such as wildlife tracking, birdwatching, and ecological surveys. Students can also learn data collection methods for environmental studies, such as recording species diversity, mapping vegetation, and water quality analysis.

Finally, the visit seeks to instill a sense of environmental stewardship among students, motivating them to contribute actively to conservation efforts. By witnessing the interconnectedness of ecosystems, students are inspired to adopt sustainable practices and advocate for environmental protection.

In summary, the visit to Pobitora Wildlife Sanctuary serves as an invaluable educational experience, bridging classroom knowledge with field exposure, and nurturing a generation of informed and responsible environmental scientists.

No. of Participants: 45

Pobitora Wildlife Sanctuary is a wildlife sanctuary on the southern bank of the Brahmaputra in Morigaon district in Assam, India. It was declared in 1987 and covers 38.85 km² (15.00 sq mi), providing grassland and wetland habitat for the Indian rhinoceros. It holds one of the largest Indian rhinoceros population in Assam.

Pobitora Wildlife Sanctuary's grassland vegetation consists of at least 15 grass species including Cynodondactylon, whip grass (*Hemarthriacompressa*), vetiver (*Chrysopogonzizanioides*), ravengrass (*Saccharum ravennae*), *Phragmites karka*, southern cutgrass (*Leersiahexandra*) and signalgrass (*Brachiariapseudointerrupta*). The grasslands provide habitat and food resource for the Indian rhinoceros, hosting Assam's second largest population. Other mammals occurring in the sanctuary are golden jackal, wild boar and feral water buffalo. Barking deer, Indian leopard and rhesus macaque live foremost in the hilly parts. It is an Important Bird Area and home for more than 2000 migratory birds and various reptiles.

The students explored the role of biodiversity in maintaining ecological balance and learned about the chemical processes in natural ecosystems. Observing the impacts of pollution and human activities on wildlife reinforced the importance of sustainable practices. The trip inspired students to consider eco-friendly approaches in their research and careers, emphasizing the role of green chemistry in conserving nature. It fostered awareness of environmental responsibility and the need for biodiversity preservation.

The visit to Pobitora Wildlife Sanctuary was an enriching experience that deepened the students' understanding of biodiversity and conservation. It emphasized the importance of preserving natural habitats for ecological balance and inspired students to contribute to environmental sustainability. Pobitora serves as a living laboratory for learning and a reminder of our responsibility to protect the natural world.

This field trip was a meaningful step toward nurturing future scientists and conservationists committed to safeguarding our planet's biodiversity.

Photos



Department of Chemistry
MORIGAON COLLEGE, MORIGAON, ASSAM,

From:-
Dr. Arunima Sarma
HOD, Department of Chemistry
Morigaon College, Morigaon

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To
The principal
Morigaon College, Morigaon
Assam, 782105

Subject: Seeking permission to conduct a one day nature study trip to **Pobitora Wildlife Sanctuary on Sunday, 24/11/2024.**

Sir,

With due respect, I would like to inform you that the department of Chemistry Morigaon College want to organize a one day nature study trip to Pobitora Wildlife Sanctuary on 24/11/2024 as a component of implementation of DBT Star College Scheme.

Therefore, I request you to kindly allow us to conduct this trip and oblige.

Thank you

With Regards



Dr. Arunima Sarma
HOD, Department of Chemistry
Morigaon College

Permitted
J. Sarma
22/11/24

N/B: Dept. shall submit a report
within 2 (two) working days of the
event. J. Sarma