

2023-2024

GREEN AUDIT REPORT

SUREN DAS COLLEGE, HAJO



Prepared by
Green Audit Committee
Suren Das College, Hajo



FOREWORD



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As we embark on the second phase of our green journey, it is with great pride and anticipation that we present the second Green Audit Report of Suren Das College, Hajo. The inaugural report marked a significant milestone in our commitment to environmental sustainability, and we are delighted to witness the progress made since then.

The global climate crisis continues to pose a formidable challenge, demanding urgent action from individuals, institutions, and nations alike. Our college has been steadfast in its dedication to environmental stewardship, recognizing the pivotal role we play in fostering a sustainable future. The Green Campus Cell, through its tireless efforts, has been instrumental in driving various initiatives that have positively impacted our campus and beyond.

The second Green Audit Report provides a comprehensive overview of our environmental performance, identifying areas of strength and opportunities for improvement. It is a testament to the collective efforts of our faculty, staff, and students, who have embraced sustainability as a core value. We are grateful for the unwavering support and guidance of our esteemed Green Audit Supervisor, Prof. (Dr.) Partha Pratim Baruah, whose expertise has been invaluable in shaping our green initiatives.

As we move forward, we remain committed to setting higher standards of environmental excellence. This report serves as a roadmap, guiding us towards a greener and more sustainable future. We invite all stakeholders to join us in this endeavour, and together, we can create a lasting legacy of environmental responsibility.

(Dr. Hiranya Kr. Sarma)






ACKNOWLEDGEMENT

To fulfil our commitment to eco-friendly practices, Suren Das College, Hajo, has been actively monitoring environmental conditions on and around campus. The college, dedicated to adhering to green policies, established a Green Audit committee to annually assess environmental parameters collected on-site. This report is the result of the diligent efforts of every committee member, who gathered and meticulously organized information to compile this comprehensive document. The committee's dedication to sustainability is evident in their thorough approach to data collection and sincere efforts in analysing the ecological status of this institution.

To begin with, we would like to express our sincere gratitude to Dr. Hiranya Kumar Sarma, the Principal of this institution, for his initiative and support in completing the inaugural Green Audit Report. We would also like to convey our deep appreciation to Prof. (Dr.) Partha Pratim Baruah, Former Head, Department of Botany, Gauhati University, for his invaluable guidance and supervision throughout the process of collection of data and compilation of this report.

We extend our appreciations to the Department of Geography, Suren Das College, for their assistance in preparing the 'Land Use and Land Cover' map of this institution. We also appreciate the efforts of the Departments of Botany and Zoology, Suren Das College, for documenting the floral and faunal diversity of the college campus, respectively. Additionally, we thank the Department of Chemistry, Suren Das College, for completing the water usage audit, and the Department of Physics, Suren Das College, for collecting the ambient noise level data and also compiling the energy audit of our institution. We would also like to acknowledge the individual efforts of all the members of the Green Audit committee, for their active participation in successful completion of this green audit.

Lastly, we would like to offer our heartfelt thanks to all the staff and students for their constant help and contribution during the data collection process. We also acknowledge all the team members of the Green Campus Cell for their assistance and support during the preparation of the Green Audit Report 2023-2024.



Mr. Debasish B. Krishnatreya
Coordinator
Green Audit Committee, 2023-24



The page is framed by a decorative border of various green leaves and plants, including palm fronds and broad-leafed species, in shades of light and dark green.

EXECUTIVE SUMMARY

Suren Das College, an institution with a strong commitment to academic excellence, has undertaken the second comprehensive Green Audit (2023-2024) to assess its environmental performance. This audit aims to identify areas for improvement, promote sustainable practices, and minimize the institution's ecological footprint.

Key Findings:

- **Biodiversity:** The college campus boasts a rich biodiversity, with a diverse range of flora and fauna. Regular monitoring and conservation efforts are essential to maintain this ecological balance.
- **Waste Management:** The college has implemented effective waste management practices, including waste segregation and vermicomposting. However, further improvements can be made in e-waste management and reducing plastic waste.
- **Water Usage:** The College has implemented rainwater harvesting and water conservation measures. Continued monitoring and potential upgrades to water infrastructure can optimize water usage.
- **Energy Consumption:** The college has taken steps to reduce energy consumption through energy-efficient lighting and solar power installations. Further energy audits and efficiency improvements can be explored.
- **Noise Pollution:** Noise levels on campus are generally within acceptable limits. However, continued monitoring and potential noise mitigation measures can further enhance the campus environment.

Some important suggestions have also been documented in this report, such as planting trees as natural barriers of noise, restoration of degraded plantation, more frequent energy audits and water quality assessment.



GREEN AUDIT COMMITTEE, 2023-2024
SUREN DAS COLLEGE, HAJO

Chairperson:

Mr. Biswajit Kalita,
IQAC Coordinator, Suren Das College

Green Audit Supervisor:

Prof. (Dr.) Partha Pratim Baruah,
Former Head of Department of Botany, Gauhati University

Coordinator:

Mr. Debasish B. Krishnatreya, Assistant Professor, Dept. of Botany (*Environmental Audit, Waste Management Audit, Compilation of final draft*)

Members:

Mr. Jayanta Kr. Nath, Assistant Professor, Dept. of Zoology (*Photography and Cover design*)

Mrs. Bharati Medhi, Assistant Professor, Dept. of Geography (*Land use and Land Cover*)

Dr. Sangita Medhi, Assistant Professor, Dept. of Zoology (*Faunal Diversity Audit*)

Ms. Amilee Konwar, Assistant Professor, Dept. of Zoology (*Faunal Diversity Audit*)


Dr. Debanjali Saikia, Assistant Professor, Dept. of Botany (*Floral Diversity Audit*)

Ms. Rashmeeta Hajowary, Assistant Professor, Dept. of Botany (*Floral Diversity Audit*)

Mr. Rahul Kemprai, Assistant Professor, Dept. of Chemistry (*Water Usage Audit*)

Mr. Amar Das, Assistant Professor, Dept. of Physics (*Energy Audit*)

Mr. Naba Kr. Kalita, Assistant Professor, Dept. of Physics (*Noise level Audit*)





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