



SADHAN CHANDRA MAHAVIDYALAYA

Affiliated to the University of Calcutta and included under section 2(f) & 12(B) of the UGC Act, 1956
Vill.-Harindanga, ❖ P.O.-Chaberia, ❖ P.S.-Falta ❖ Dist.-South 24 Parganas,
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ESTD-2007

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Ref. No. :

Date 26/07/2024



Action Taken Report 2022-23

(Based on Green, Environment, and Energy Audit Report 2022-23)

Sadhan Chandra Mahavidyalaya
Harindanga, Falta, South 24 Parganas



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Introduction

The Action Taken Report for the academic year 2022-23 presents a comprehensive overview of Sadhan Chandra Mahavidyalaya's efforts in line with the Green, Environment, and Energy Audit Report. Our commitment to environmental sustainability and energy efficiency is reflected in a series of strategic actions undertaken throughout the year.

In the domain of energy management, we have made significant strides by implementing energy-efficient lighting, maintaining essential power backups, and promoting energy-saving practices through clear signage. Our irrigation systems have been optimized with auto-regulating sprinklers and rainwater harvesting units, contributing to both energy conservation and efficient water use.

Environmental management has been further bolstered by initiatives such as improved waste segregation, groundwater recharge systems, and the establishment of a Natural Disaster Management Committee. Our biodiversity conservation efforts include the better maintenance of our Wild Fish Rescue Centre, the creation of an Aboriginal Tree Arboretum, and the enhancement of our medicinal plant garden.

These measures reflect our dedication to reducing our carbon footprint, conserving natural resources, and fostering an eco-friendly campus environment. This report outlines the progress made and underscores our ongoing commitment to sustainability and environmental stewardship at Sadhan Chandra Mahavidyalaya.



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1. Energy Consumption and Management

- **Energy-Efficient Lighting:** We have continued our implementation of energy-efficient lighting across the campus reducing energy consumption and costs.
- **Power Backups:** Essential power backups such as generators and UPS systems have been safeguarded with appropriate fencing and hazard awareness boards.
- **Energy-Saving Signage and Maintenance:** Clear signage promoting energy-saving practices has been installed, and the electrical infrastructure is maintained diligently.
- **Sprinkler Irrigation:** The sprinkler irrigation system is actively in use, and we are exploring additional recommendations to further enhance energy-saving potential.

2. Environmental Management and Green Development

- **Rainwater Harvesting:** More additional rainwater harvesting units have been installed. The collected rainwater is now utilized for garden irrigation, washroom use and cleaning purposes.
- **Submersible Pump Regulation:** Auto-regulating devices have been installed on submersible pumps to prevent overflow in rooftop tanks.
- **Garden Irrigation:** Auto-regulating sprinklers have been installed to ensure efficient garden irrigation throughout the year.
- **Groundwater Recharge:** A groundwater recharge system has been set up using rainwater collected from building rooftops during the rainy season.
- **Waste Management:** Separate bins for degradable and non-degradable waste have been installed on every floor. Degradable waste is processed to produce organic fertilizer for garden use.
- **Natural Disaster Management:** A Natural Disaster Management Committee has been formed, and a center has been established to assist the local community in preparing for and responding to cyclones.
- **E-Waste Management:** An e-waste management unit with proper documentation has been established on campus.

3. Biodiversity Conservation

- **Maintenance of Wild Fish Rescue Centre:** We have made efforts to improve the maintenance of our rescue center for native fish species and the conservation of aquatic macrophytes and wildlife.
- **Wild Relative Rescue Centre:** Wild relative plant species from local areas have been collected and are being conserved on campus.



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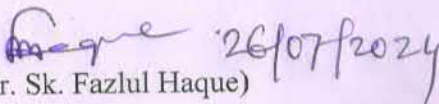
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- **Aboriginal Tree Arboretum:** Areas for multiple tree species have been allocated to create an Aboriginal Tree Arboretum to study and conserve locally threatened tree species.
- **Enhanced Medicinal Plant Garden:** The medicinal plant garden has been enriched with a wider variety of medicinal plants and is maintained regularly.
- **Educational Name Plates:** Name plates have been installed for all existing Major Tree Species (MTS) to enhance student learning opportunities.

Conclusion

The actions detailed in this report demonstrate our unwavering commitment to sustainability and environmental responsibility at Sadhan Chandra Mahavidyalaya. This year, we have made significant progress in improving energy efficiency, managing environmental resources, and conserving biodiversity. Our ongoing efforts include optimizing energy use, enhancing waste management practices, and developing conservation projects like the Wild Fish Rescue Centre and Aboriginal Tree Arboretum. We remain dedicated to evaluating and implementing additional recommendations to further our sustainability objectives. These initiatives reflect our dedication to creating a more eco-friendly campus and reinforcing our role in promoting environmental stewardship.


(Dr. Sk. Fazlul Haque)

Principal
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