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# Saviours And Friend of Environment

## Project **Envirosafe** An environment server

### Summary of Green Audit Report – July 2024

#### Vidyasagar Metropolitan College, Kolkata

### 1. Introduction

The Green Audit conducted in July 2024 at Vidyasagar Metropolitan College assessed the institution's environmental sustainability practices. The audit aimed to evaluate resource efficiency, waste management, energy conservation, and green initiatives, aligning with the college's commitment to becoming a "Green Campus."

### 2. Key Findings

#### A. Water Management

- **Strengths:**

- Regular maintenance of pipelines prevents leaks.
- Rainwater harvesting system (500-liter tank) and automatic water-level controllers reduce wastage.
- Underground reservoir (20,000 liters) ensures water supply efficiency.

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- **Suggestions:**
  - Increase solar capacity and explore wind energy options.

### C. Waste Management

- **Strengths:**
  - **Vermicomposting** for organic waste and segregation of dry waste (recycled via **Vital Waste**).
  - **Sanitary vending machines** installed for menstrual hygiene.
  - Lab waste disposed of scientifically (e-waste recycled).
- **Suggestions:**
  - Introduce composting bins in more departments.

### D. Green Campus Initiatives

- **Strengths:**
  - **Ban on single-use plastics** enforced.
  - Plantation of medicinal and air-purifying plants.
  - **Biodiversity register** maintained.
- **Suggestions:**
  - Expand medicinal plant gardens.
  - Install **real-time air quality monitoring displays**.

### E. Awareness & Carbon Reduction

- **Strengths:**
  - **Seminars** (e.g., World Environment Day, Clean Air Day) conducted.
  - Restricted vehicle entry to reduce emissions.

- **Suggestions:**

- Conduct a **carbon footprint assessment**.

### 3. Progress from Previous Audit

- Installation of a **new 5 kW solar plant**.
- Replacement of traditional lights with **LEDs**.
- Improved **lab waste segregation** and hygiene programs.

### 4. Conclusion

The July 2024 audit confirms that Vidyasagar Metropolitan College is making significant strides in sustainability. Strengths include renewable energy adoption, waste management, and awareness programs. Recommendations focus on **water recycling, expanded green initiatives, and carbon footprint analysis** to further enhance environmental performance.

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