Indira EDUCATION | Indhira College of Education

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# Criterion VII- Institutional Values and Best Practices

## Key Indicator – 7.1 Institutional Values and Social Responsibilities.

**Metric No.7.1.4.Institution has water management and conservation initiatives in the form of**

1. **Rain water harvesting**
2. **Waste water recycling**
3. **Reservoirs/ tanks/ bore wells**
4. **Economical Usage/ reduced wastage**

Documentary Evidence in support of the claim

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## Documentary evidence in the support of the claim

### 7.1.4 Rain water harvesting:

Rainwater harvesting at Indhira College of Education serves as an effective method to conserve water resources and mitigate water scarcity issues. Through the implementation of rainwater harvesting systems, the college captures and stores rainwater for various purposes such as irrigation, groundwater recharge, and non-potable uses like toilet flushing and campus landscaping.

The system typically includes components such as rooftop catchment areas, gutters, downspouts, filters, and storage tanks or reservoirs. Rainwater collected from rooftops is directed through pipes and filters to remove debris and contaminants before being stored in tanks or underground reservoirs.

This initiative not only reduces the dependency on municipal water supply but also helps in replenishing groundwater levels, which is crucial for sustaining local ecosystems and supporting agricultural activities in the region. Additionally, it promotes awareness among students and faculty about the importance of water conservation and encourages responsible water usage practices.

Regular maintenance and monitoring of the rainwater harvesting system are essential to ensure its optimal performance and longevity. Periodic checks for leaks, cleaning of filters, and proper management of stored water are necessary steps to maintain the efficiency of the system.

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RAIN WATER HARVESTING


Overall, rainwater harvesting at Indhira College of Education exemplifies a sustainable approach towards water management, contributing to environmental preservation and community resilience against water scarcity challenges.

Indhira College of Education prioritizes the provision of safe and clean drinking water for its students, faculty, and staff. Reverse Osmosis (RO) technology is employed to ensure the removal of impurities and contaminants, thus meeting stringent quality standards. This advanced purification system guarantees that the water dispensed is free from harmful substances, such as bacteria, viruses, and heavy metals, promoting the well-being and health of individuals on campus. Regular maintenance and monitoring of the RO system are conducted to uphold its efficiency and reliability. Indhira College of Education remains committed to delivering high-quality drinking water, fostering a conducive environment for learning and growth.

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## 2. Waste water recycling


At Indhira College of Education, wastewater recycling stands as a cornerstone of sustainable water management. The institution has implemented an advanced system to treat and reuse wastewater generated across its facilities. This system comprises multiple stages, including primary, secondary, and tertiary treatments, aimed at removing impurities and contaminants from the wastewater.

Once treated, the recycled water finds various applications within the college premises. It is utilized for non-potable purposes such as flushing toilets, irrigating gardens, and maintaining decorative water features. By repurposing wastewater in this manner, the college significantly reduces its demand for freshwater resources and minimizes the discharge of untreated wastewater into the environment.

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The integration of wastewater recycling reflects the college's commitment to environmental conservation and responsible resource utilization. Through educational programs and awareness campaigns, students, faculty, and staff are encouraged to embrace water-saving practices and understand the importance of sustainable water management.

Regular maintenance and monitoring ensure the efficient operation of the wastewater recycling infrastructure, guaranteeing compliance with quality standards and regulatory requirements. Indhira College of Education serves as a model institution, demonstrating how innovative approaches to wastewater management can contribute to a greener and more sustainable future for educational campuses and beyond.

## 3.Reservoirs/tanks/bore wells.


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Indhira College of Education boasts a comprehensive water management infrastructure, featuring reservoirs, tanks, and bore wells strategically positioned across its campus. These facilities play a crucial role in ensuring a reliable and sustainable water supply for various academic and operational needs.

Reservoirs serve as large-scale storage units, capable of holding significant volumes of water collected from rainfall or other sources. They provide a buffer against fluctuations in water availability, ensuring a consistent supply for critical uses such as irrigation and firefighting.

Tanks are distributed throughout the campus to store treated water from sources like rainwater harvesting systems or recycled wastewater. These tanks facilitate efficient distribution of water to different areas of the college, optimizing its utilization and minimizing wastage.

Bore wells tap into groundwater reserves to supplement the college's water requirements. Equipped with pumps, these wells extract water from underground aquifers, providing a dependable source of freshwater for various purposes, particularly during dry periods or when surface water sources are insufficient.

Through the integration of reservoirs, tanks, and bore wells, Indhira College of Education demonstrates its commitment to sustainable water management practices. These facilities contribute to water conservation efforts, resilience against water scarcity, and overall environmental stewardship within the campus community. Regular maintenance and monitoring ensure the efficient operation and longevity of these essential water infrastructure assets.

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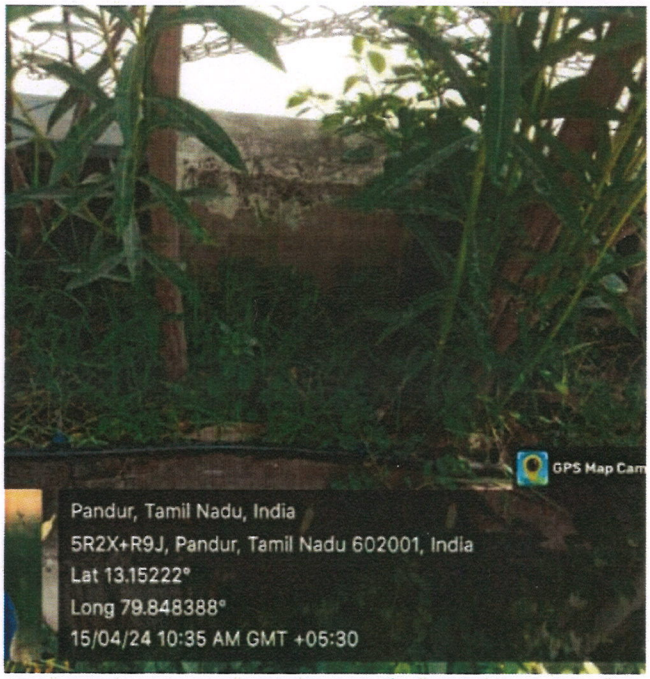
## 4.Economical usage / reduced wastage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Indhira College of Education prioritizes economical water usage and implements various initiatives to reduce wastage through recycling, efficient water management, and conservation practices.

One key strategy is the widespread adoption of low-flow fixtures and water-saving appliances across campus. These include low-flow toilets, faucets, and showers, which significantly reduce water consumption without compromising functionality. Additionally, the college promotes awareness campaigns and educational programs to encourage students, faculty, and staff to adopt water-saving behaviors such as reporting leaks promptly, turning off taps when not in use, and using water responsibly.

Rainwater harvesting systems are employed to capture and store rainwater for non-potable uses such as irrigation and toilet flushing. This reduces reliance on municipal water sources and alleviates pressure on local water supplies. Moreover, the college implements wastewater recycling systems to treat and reuse water from sinks, showers, and other sources for purposes like landscape irrigation and toilet flushing. By treating wastewater on-site, the college minimizes the discharge of untreated water into the environment while conserving freshwater resources.

Furthermore, Indhira College of Education emphasizes the importance of water conservation through landscaping practices that prioritize native and drought-resistant plants, reducing the need for irrigation. The college also conducts regular audits of water usage and implements measures to identify and address areas of inefficiency.

Through these concerted efforts, Indhira College of Education demonstrates its commitment to sustainable water management and environmental stewardship. By integrating economical water usage, recycling initiatives, and conservation practices into its operations, the college sets an example for responsible water stewardship within the campus community and beyond.

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