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Criterion 07- Institutional Values and Best Practices

Key Indicator-7.1 Institutional Values and Social Responsibilities

Metrics No-7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures
- 2. Management of the various types of degradable and nondegradable waste
- 3. Water conservation
- 4. Green campus initiatives
- 5. Disabled-friendly, barrier free environment

S.No.	List of Documents	Link
1.	Water conservation through bunds and tanks Water distribution system, Rain water harvesting	View
2.	Disabled-friendly, barrier free environment by constructing ramps, Railings, providing wheel chairs, signage board, washrooms as required by divyangjan for their use (geotagged photos with date and caption)	View
3.	Management of the various types of degradable and non-degradable waste through waste segregation	View
4.	Bills for the purchase of equipment's for the facilities created under this metric	View

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WATER MANAGEMENT PRACTICES



1. Rainwater Harvesting: Roof & Non-Roof

Rainwater harvesting is collecting, storing, and using rainwater for various purposes. It is an effective and sustainable method of conserving water, especially in regions where water is scarce or where water supply is unreliable.

Rainwater harvesting can be done through the roof and non-roof methods, both of which can be implemented in a college setting. Roof-based rainwater harvesting involves collecting rainwater that falls on rooftops and storing it for later use. This method is typically used in buildings with large roof areas and is relatively easy to implement.

The rainwater collected from the roofs can be used for a variety of purposes, including irrigation, gnihsuftoilets, and washing clothes.

Non-roof rainwater harvesting, on the other hand, involves collecting rainwater from other surfaces such as pavements, lawns, and gardens. This method is typically used in open spaces such as parks, playgrounds, and other public areas.

Non-roof rainwater harvesting can be done using trenches, swales, and other surface-level structures that capture and store rainwater.

In a college setting, both roof-based and non-roof rainwater harvesting methods can be implemented to conserve water and reduce the demand for municipal water supply.

This can be done by installing rainwater collection systems on rooftops and in open spaces such as lawns, gardens, and parks. The collected rainwater can be used for irrigation, landscaping, and other non-potable uses.

Additionally, college can also implement rainwater harvesting systems for potable water use. This can be done by treating the collected rainwater to make it safe for drinking and cooking. This approach requires a more sophisticated and expensive system than non-potable uses, but it can be a viable option in areas with limited water supply.

Rainwater harvesting is a sustainable and effective way to conserve water and reduce the demand for municipal water supply. In a college setting, implementing rainwater harvesting systems can reduce water usage and promote sustainable practices among grand students, staff, and faculty.

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WATER MANAGEMENT PRACTICES

Rainwater Harvesting: Roof & Non-Roof

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Keshav Mahavidyalaya's rainwater harvesting system captures maximum runoff from roof and non-roof areas. This system enhances the groundwater table and reduces potable water usage, demonstrating the college's commitment to sustainable water management.







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Disabled-friendly, Barrier free Environment

Ramp, Railings, Wheelchair, Signage Board & Parking





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Washroom



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SUSTAINABLE RESOURCES UTILIZATION



Waste segregation in a college separates different types of waste materials for proper disposal or recycling. Proper waste segregation is crucial for managing waste effectively and reducing waste in landfills.

Waste segregation guidelines for a college:

Education and Training: Proper education and training on waste segregation should be provided to all members of the college community, including students, faculty, and staff. This includes information on what types of waste can be segregated, how to segregate waste properly, and the importance of waste segregation for sustainability.

Bin Placement: Adequate waste bins should be placed throughout the college, with clear signage indicating which types of waste should be placed in each bin. Color coding can also be used to help with waste segregation. For example, blue bins can be used for paper and cardboard, green bins for organic waste, and yellow bins for plastic and metal.

Collection and Transport: Proper collection and transport of segregated waste materials is important to ensure they are properly disposed of or recycled. Separate collection vehicles can be used for each type of waste material to ensure that they are not mixed together during transport.

Recycling Infrastructure: The college should have adequate recycling infrastructure to recycle segregated waste materials properly. This includes recycling facilities for paper, plastic, metal, and other recyclable materials.

By implementing waste segregation in a college, the campus can significantly reduce the amount of waste in landfills, promote sustainability, and save resources by recycling materials that would otherwise be discarded.







SUSTAINABLE RESOURCES UTILIZATION



1 2 3 4 5 6 7 8 9 10

The college has implemented an effective waste segregation system, categorizing waste into recyclables, compostables, and non-recyclables to ensure proper disposal and recycling.

Color-coded bins are placed throughout the campus to facilitate waste segregation. Educational campaigns encourage students and staff to sort waste correctly, supporting Keshav Mahavidyalaya's recycling and composting programs.



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SUSTAINABLE RESOURCES UTILIZATION



Organic waste management in a college involves properly handling, treating, and disposing of food waste and other organic materials generated on campus. Organic waste management tips for the college:

Source Separation: One of the critical components of organic waste management is source separation. This involves separating food waste and other organic materials from waste streams such as paper, plastics, and metals. The college should provide separate bins for organic waste in high-traffic areas such as dining halls and kitchens.

Composting: Composting is a natural process where microorganisms break down organic materials to create nutrient-rich soil. Composting can be a cost-effective and sustainable way to manage organic waste on campus. The college can establish on-site composting facilities or work with local composting facilities to process organic waste.

Anaerobic Digestion: Anaerobic digestion is another method for managing organic waste that involves using microorganisms without oxygen to break down organic material. This process can produce biogas, which can be used to generate energy.

Education and Outreach: Proper education and outreach are crucial to the success of organic waste management programs in college. The college should provide information on the importance of organic waste management, how to correctly separate organic waste, and how to participate in composting programs.

By implementing organic waste management in a college, the campus can significantly reduce the amount of organic waste in landfills, promote sustainability, and create valuable resources such as compost and biogas.

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Composting bins collect organic waste in cafeterias and garden areas. The resulting compost is used to fertilize plants on campus, creating a closed-loop system that reduces waste and enhances soil health.

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Bills for the purchase of Equipment's for the facilities

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