



Pravara Rural Education Society's,
PRAVARA RURAL COLLEGE OF ARCHITECTURE

Sadatpur Road, Loni Kd, Tal.: Rahata, Dist.: Ahmednagar 413 736, (M.S.)

Affiliated to Savitribai Phule Pune University, Pune Id No. PU/AN/ARCH/51/1996
& Council of Architecture, New Delhi

WATER CONSERVATION POLICY



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The primary goal of water conservation policy is to provide safe and clean water in entire campus. The college is implementing water efficient practices. Student and staff engagement play a major role in our water sustainability strategies.

The college is committed to ensure that water is used most judiciously and is working towards making the area water sustainable. This has been achieved through the use of water efficient fixtures, rain water harvesting and smart water conservation practices, use of Efficient irrigation system.

College campus is equipped with overhead tanks for storage and uniform distribution of water in the campus area. The college fixes leakages immediately and performs periodic maintenance required to prevent water loss.

Objectives:

- I. **Reduce Water Consumption:** We aim to decrease overall water consumption across campus facilities by implementing efficient water management strategies.
- II. **Raise Awareness:** We strive to educate students, staff, and visitors about the importance of water conservation and their role in achieving this goal.
- III. **Implement Sustainable Practices:** We will employ sustainable technologies, practices, and equipment to minimize water wastage in all areas of our campus operations.
- IV. **Monitor and Evaluate:** Regular monitoring and assessment of water usage will help us identify areas for improvement and measure the impact of our conservation initiatives.

Policies and Initiative:

1. Rain Water Harvesting:

The college is situated in a rain shadow area hence to overcome water scarcity and to ensure a permanent supply of water, certain measures are predominantly taken. College implement rain water harvesting that collect and store rainwater from rooftops of college surfaces in tanks and later use for gardening. The RWH system centers around a catchment area of 81.25 square meters. The average annual rainfall in the college's area is 0.06 meters (60 mm), providing the primary source of water for the system. Over the course of a year, this catchment area accumulates rainwater equivalent to 4,875 liters. This volume is collected and channelled through the rainwater harvesting infrastructure, which includes pipes, Collection chamber, and storage tank. Moreover, the college has also incorporated a 5000-liter water collection recharge structure. By using rainwater for irrigation and maintaining the campus gardens, the college contributes to water conservation and demonstrates its commitment to

sustainable practices. The rain water harvesting has benefitted to a great extent and helped to overcome the water scarcity.

2. Efficient irrigation:

Drip irrigation is used in gardens and landscapes, as they deliver water directly to plant roots, minimizing water loss through evaporation and runoff.

3. Water-Efficient Landscaping: We will design and maintain our landscaping with drought-resistant plants and efficient irrigation systems to minimize water consumption.

4. Regular Maintenance: Prompt repair of leakages and malfunctioning water equipment will be a priority to prevent wastage.

The water storages are maintained regularly so as to provide sustainable, consistent, safe and adequate water to the campus. The distribution of water is done through well-equipped system of pipes. Drip irrigation system is in place. By the process of Reverse Osmosis, the water is treated for drinking water and supplied through water cooling system and other set of distribution pipes are used for all other usages. By using good quality plumbing fixtures, the wastage of water is highly reduced. Scheduled Inspection of machineries is done on regular basis in the campus. The maintenances of all water bodies and distribution systems are provided centrally by PRES.


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