

ARMY PUBLIC SCHOOL KIRKEE, PUNE

**REPORT ON WATER
CONSERVATION AND
MANAGEMENT SYSTEM**

Powering today and tomorrow.



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PRESENCE OF A WATER ACTION PLAN WITH WELL-DEFINED TARGETS.

The escalating global water crisis necessitates the implementation of a comprehensive and well-defined action plan to ensure sustainable water management. This report outlines a strategic Water Conservation Action Plan with clearly defined and achievable targets, aiming to address the pressing issues surrounding water scarcity.



SETTING UP OF A WATER COLLECTION SYSTEM.

Introduction: Water collection systems are sustainable solutions to harness and utilize rainwater for various purposes. Whether for irrigation, gardening, or domestic use, setting up a water collection system can contribute to water conservation and reduce reliance on traditional water sources

Roof Catchment System:

- Identify a suitable roof area for rainwater collection.
- Install gutters and downspouts to direct rainwater to a central point.

• **Roof Preparation:**

- Clean the roof to minimize debris entering the collection system.
- Ensure the roof material is suitable for water collection (avoid toxic materials).

• **Gutter Installation:**

- Install gutters along the roof edges, sloping them towards downspouts.
- Securely attach downspouts to direct water into the collection system.

Pump and Distribution:

- Integrate a pump system if necessary for irrigation or household use.
- Design a distribution system to channel water where needed.

Conclusion: Setting up a water collection system is a practical and eco-friendly way to conserve water resources. Regular maintenance and careful planning will ensure the system operates efficiently, providing a sustainable water source for various purposes.

NUMBER OF TREES PLANTED IN THE SCHOOL PREMISES AND OUTSIDE .

Greening Our Campus

Our school embarked on a mission to contribute to a healthier planet by organizing a tree plantation drive. The aim was not only to enhance the aesthetic appeal of our campus but also to foster a sense of environmental responsibility among students and staff. Under this project APS KIRKEE had planted a total of 1399 saplings inside and outside school premises.

Maintenance Plan: To ensure the long-term health and growth of the newly planted trees, a maintenance plan was put in place. Students were assigned the responsibility of watering, pruning, and monitoring the growth of the trees under the guidance of the school's gardening club.

As the saplings grow into majestic trees, they will stand as a living testament to our commitment to a greener and more sustainable future.

INSTALL LOW -FLOW WATER SAVING DEVICES IN WASHROOMS AND CAMPUS.

The primary purpose of low-flow devices is to conserve water. By restricting the flow of water without compromising functionality, these devices help reduce overall water consumption in washrooms.

Faucet Aerators: •Faucet aerators are commonly used in sinks to mix air with water, maintaining adequate water pressure while using less water. This is achieved by introducing small air bubbles into the water stream.

This Faucet Aerators are planned to be installed in our school.

NUMBER OF PAINTINGS ,ESSAY & DEBATE COMPETITIONS ORGANIZED.

BRUSHING COLORS ONTO CONSERVATION

The painting essay event, held on [date], served as a creative platform to raise awareness about the critical need for water conservation and efficient management. Artists from various age groups showcased their talent while conveying powerful messages through their artwork.

Rally: Culminating in a vibrant rally, the energy of the participants spilled onto the streets as they marched for the cause. Banners, placards, and chants echoed through the city, drawing the attention of passersby. The rally aimed not only to make a visible statement but also to inspire grassroots movements for water conservation.



NUMBER OF INNOVATIVE WORKS AND ACTIVITIES DONE.

NURTURING THE FUTURE: SCHOOL STUDENTS SPEARHEAD INNOVATIVE WATER CONSERVATION INITIATIVES

Water Audit Programs: Some schools have initiated water audit programs, where students actively monitor and assess the water consumption patterns within their school premises. By identifying areas of excessive water use, students can implement strategies to reduce wastage and promote more sustainable water practices.

The innovative work undertaken by school students in promoting water conservation reflects a proactive and conscientious approach towards environmental sustainability. These initiatives not only benefit the schools and their local communities but also instill a sense of responsibility and environmental stewardship among the younger generation. As these students continue to drive change, their efforts serve as a beacon of hope for a more water-conscious and sustainable future.

VOLUNTARY WORK DONE BY THE SCHOOL OUTSIDE THE SCHOOL.

In recent times, students have taken the initiative to engage in voluntary work outside the school environment, focusing on water conservation and management activities.

This report aims to highlight the commendable efforts made by students in contributing to the sustainable use and protection of water resources where they had cleaned Mula-Mutha river.

Cleaning and Restoration of Water

Bodies: Students collaborated with local authorities to clean and restore nearby water body i.e Mula-Mutha river. They removed debris, plastic waste, and other pollutants, contributing to the improvement of water quality and the overall ecosystem.

CONCLUSION

The voluntary work undertaken by students outside the school environment for water conservation and management reflects a commendable commitment to environmental sustainability. These initiatives not only address immediate water-related challenges but also contribute to building a generation of responsible citizens mindful of the importance of preserving our precious water resources.

