



Bharathi College of Education
Kandri, Mandar, Ranchi - 835214

WATER MANAGEMENT AND CONSERVATION POLICY

Introduction:

Water is so essential for life that it's simply impossible to imagine life without water. India has 16% of the world's population and only 4% of the world's water resources are available for use, and that too are depleting rapidly. The demand for water is expected to grow from 40 billion cubic metres (bcm) currently to around 220 bcm in 2025. The uneconomical and unethical use of water by human beings is the sole reason for the exploitation and deterioration of this valuable natural resource. Thus, both quality and quantity of water are at stake and have to be taken care of. It's the moral duty and social responsibility of each individual and community as a whole to contribute to conserve water and rejuvenate the water resources.

In this direction, our institute has made efforts to ensure water conservation and water harvesting. The campaign has been channelized with the Motto "Be Water Smart, Every Drop Counts" following the 3R principle - Reduce, Reuse and Recharge. The primary goal of Bharathi College Of Education water conservation policy is to provide safe and clean water in whole campus area. The college is implementing water efficient practices. Student and staff engagement play a major role in our water sustainability strategies. Reducing water consumption and protecting water quality shall be the key objectives of sustainable policy of Bharathi College Of Education, Ranchi.

Goals and plans:

- Maximize water use efficiency and minimize wastage of water.
- All existing buildings to be used for rainwater harvesting.

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- Promote investment in green infrastructure in all future development plans.
- Ensure awareness about the water conservation policy of the college among all the staff and students.
- Create awareness about the cost effectiveness of water conservation projects among students and local communities.
- Organise various outreach programmes under the leadership of NSS, Eco-club, Science-club and other student bodies.
- Promote students to monitor and collect informations related to water bodies and their pollution of nearby areas.
- Inform, educate and increase the awareness regarding the importance of water to life and the need for conservation and efficient use of water.

Initiatives:

Bharathi College Of Education, Ranchi is committed to ensuring that water is used most judiciously and is working towards making the facility more and more water sustainable. This has been achieved with the use of water efficient fixtures, rain water harvesting and smart water conservation practices.

- Storing ground water by boring mechanism in underground water storage tank to reduce the supply of water in whole campus area.
- Ensuring the improvement of drinking water quality by installation of water purifiers in many places in the campus.
- Establishing 4 rain water harvesting system with a capacity of 2,00,000 litres/year in the campus area to recharge ground water.
- College campus is blessed with overhead tanks for storage and uniform distribution of water in the campus area and one water percolation pit of 10 feet depth as an additional open receptacle for rainwater harvesting for water recharging point and watering the garden plants.
- The college fix leakages immediately and perform periodic maintenance required to prevent water loss.

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- Water Harvesting/Conservation Awareness Drive: To create awareness of water conservation and water harvesting among students, several competitions to be organised.
- Organising special lectures on water management to draw the attention of the students towards the alarming consequences of uneconomical use of water and water pollution.

Waste water management:

In compliance with the principle of Reuse potted plants have been placed below the outlets of Air Conditioners and water purifiers to ensure least water wastage as well as beautification of the campus.

Conclusions:

Regardless an institution of higher learning Bharathi College Of Education, Ranchi shall have a moral responsibility to promote and propagate message of water conservation and its sustainable use among the academic community and society as well. Over the past few years, the college has undertaken a number of initiatives to utilize water more efficiently and effectively within the campus.



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