



KATWA COLLEGE

(Affiliated to the University of Burdwan)

Principal's Office,

P.O.: Katwa, Dist.: Purba Bardhaman, West Bengal, PIN: 713130, India.

Mobile: +918101078393

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7.1.4 Water conservation facilities available in the institution

Policy for Water Conservation:

Preamble:

Scarcity of water is one of the growing concerns of the whole world at present time, the ultimate solution, is water conservation. Issues related to water governance have not been addressed adequately. Mismanagement of water resources has led to a critical situation in many parts of the country. In this context, our institute Katwa college is committed to rain water harvesting & sustainable water management.

Katwa college has taken several initiatives to conserve water such as rain water harvesting from rooftop run off & ground water recharge through injection well, bore well recharge system & maintenance of water distribution system in the college campus etc. So, institute make a policy for water conservation & sustainable maintenance of resources.

Vision:

Proper Water conservation measures to increase the recharge of groundwater. Katwa college views water from the Three inter-related dimensions of Efficient conservation, Responsible consumption & Restoring & retaining surface & ground water.

Objectives:

- To increase recharge of groundwater by capturing & storing rainwater by rainwater harvesting from rooftop & run-off.
- To store the rainwater for gardening & washing purposes.
- To ensure continuous water supply to all sections & depts. In college campus.

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IQAC
Katwa College

Signature of the Principal

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- To recharge bore well system.
- Soak pits to treat effluents from laboratories.
- Cleanliness drives to prevent water runoffs & clogging of waste materials into nearby water resources.

Facilities available in the college:

1. Rain water harvesting & construction of tank:

There are two main ways of rain water harvesting are:

*Surface run off harvesting:

In urban area, rain water flows away as surface runoff can be used recharging aquifers.

*Rooftop rain water harvesting:

It is a system of catching rain water where it falls. The water stored by this way is used for various purposes such as gardening, irrigation etc.

The Katwa College had started initiatives for rain water harvesting from the month of May in the year of 2023 & constructed rain water harvesting project which is the collection of rain water that runs off from rooftop & this run off rainwater is recharged into the ground water table & a storage tank with rain water to be used in gardening, irrigation etc. College has set up rain water harvesting (ground water recharge circular shaped trough injection well) with the technical assistance of Public Works Dept. (PWD), Social Sector Purba Bardhaman, W.B. at the cost of Rs. 9,43,167.00.

2. Bore well/ Open well recharge:

Katwa College has proper facilities of bore well for providing clean water in the college campus. There are 7 submersible pumps for supplying fresh & clean drinking water & also for other activities.

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1. Waste water recycling:

The college has also made proper arrangement for recycling/reuse of most of the waste water. Aqua guards placed in the different floors of the college building are purifying impure water stored in the rooftop water tanks & this water is used for drinking, washing, cleaning & watering in the garden.

2. Maintenance of water distribution system in the college campus.

Water distribution system is disinfected on a regular basis in a scientific manner to provide clean & germ free water throughout the campus.

Benefit of the work:

- * Reducing water loss & saving natural water resources.
- * Conserve water, helps in reducing water bill.
- * Decreasing the demand of water.

Water conservation measures:

Katwa college will implement the following measures to conserve water:

A. Maintenance & infrastructure:

- * Regularly inspect & repair plumbing fixtures, pipelines to minimize leaks & wastage.
- * Install water-efficient fixtures, such as low-flow toilets & faucets.
- * Utilize rainwater harvesting systems.

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B. Awareness & Education:

- * Conduct awareness campaigns, workshops & seminar to educate all the stakeholders of the college as well as outside of the campus about water conservation practices.
- * Display signage & posters reminding individuals to conserve water in common areas & outdoor spaces of the college campus.
- * Incorporate water conservation topics into the curriculum where applicable.
- * Subdivision of Katwa & its surrounding areas are arsenic prone. So College will take the pledge to combat against eradication of arsenic.

Responsibilities:

A: College administration:

- * The college administration will oversee the implementation & enforcement of the water conservation policy.
- * Appoint a designated staff member to monitor & manage water usage & conservation efforts.
- * Provide necessary resources & support to facilitate water conservation initiatives.

B. Faculty & staff:

- * Faculty & staff members are responsible for practising water-saving behaviours & encouraging students to do the same.
- * Report any water leaks, faults or wastage promptly to the designated staff member or facilities management team.

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C. Students:

* Students are expected to actively participate in water conservation efforts & adopt responsible water usage practices.

* Promote awareness among peers about the importance of water conservation.

Monitoring & Evolution:

Katwa College will establish a monitoring & evaluation system to assess the effectiveness of water conservation measures & make necessary adjustments. This includes:

* Regular monitoring of water consumption & identifying areas of high usage.

* Tackling water-related complaints, repairs, & maintenance activities.

* Periodic reviews of the policy's implementation & identifying opportunities for improvement.

Procedure:

* Obtain an approval status from the governing body for implementation of the policy.

* Communicate the objectives of the policy & action plan to all stakeholders of the college.

* Maintenance of water distribution system in the campus through nature club of the college.

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