



K.R.E. Society's

R.V BIDAP LAW COLLEGE BIDAR

(Approved by BCI Delhi & Permanently Affiliated to Karnataka State Law University, Hubballi)

MANHALLI ROAD, BIDAR - 585 403. (KARNATAKA STATE) INDIA

Report on Borewell Water Recharge and Rainwater Harvesting System at R V Bidap Law College

R V Bidap Law College is committed to sustainable water management practices on campus, aligning with its efforts to promote environmental sustainability. The college has implemented a **borewell water recharge** and **rainwater harvesting system** as part of its eco-friendly initiatives to conserve water and enhance groundwater levels. This report highlights the borewell recharge system established within the campus.

Location and Setup

The borewell water recharge pit is located within the college premises in Mailoor, Bidar, Karnataka. The pit has been carefully dug to collect and channel rainwater runoff from the campus. The system is designed to capture water during the rainy season and direct it into the borewell, facilitating groundwater replenishment.

Objectives

1. To reduce water wastage and make efficient use of rainwater by recharging the groundwater table.
2. : To counter the depleting groundwater levels in the region and ensure a sustainable water supply for future use.
3. To promote eco-friendly practices and create awareness about water conservation within the campus community.

Technical Details

- A trench-like pit is created to collect rainwater from the roof and surrounding areas.
- The water passes through natural filtration layers, such as sand, gravel, and stones, ensuring that only clean water enters the borewell.
- The filtered rainwater is directed into an existing borewell to replenish the groundwater.

Impact

- The borewell recharge system helps in boosting groundwater levels, which benefits both the college and the local community.
- By harvesting rainwater, the college reduces its dependency on external water sources, especially during the dry seasons.

- This initiative fosters a culture of sustainability and environmental responsibility among students, faculty, and staff.

The college plans to expand its rainwater harvesting efforts by installing more recharge pits and increasing student participation in eco-conscious activities related to water conservation. Awareness programs and workshops will be conducted to further instill the importance of sustainable water practices.

The borewell water recharge and rainwater harvesting system at R V Bidap Law College is a vital step towards sustainable water management. This initiative aligns with the institution's commitment to environmental sustainability and resource conservation, contributing to both campus development and community welfare.



Glimpses of Rain Water Harvesting Structure for Borewell Water Recharge

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