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 the Maintenance of Water Bodies at R V Bidap Law College

Introduction

R V Bidap Law College is dedicated to maintaining a sustainable and efficient water management system within its campus. The college campus is equipped with multiple water bodies, including borewells, an open well, and overhead water storage tanks. These water resources are crucial for meeting the water needs of the college for drinking, sanitation, and other daily activities. This report outlines the routine maintenance practices implemented to ensure the smooth functioning and cleanliness of these water resources.

Water Bodies in the Campus

1. **Borewells**: The college has a borewell system that is vital for groundwater extraction. It serves as one of the primary sources of water for campus needs.
2. **Open Well**: The open well is an additional source of water, providing groundwater access to meet demand during high usage periods.

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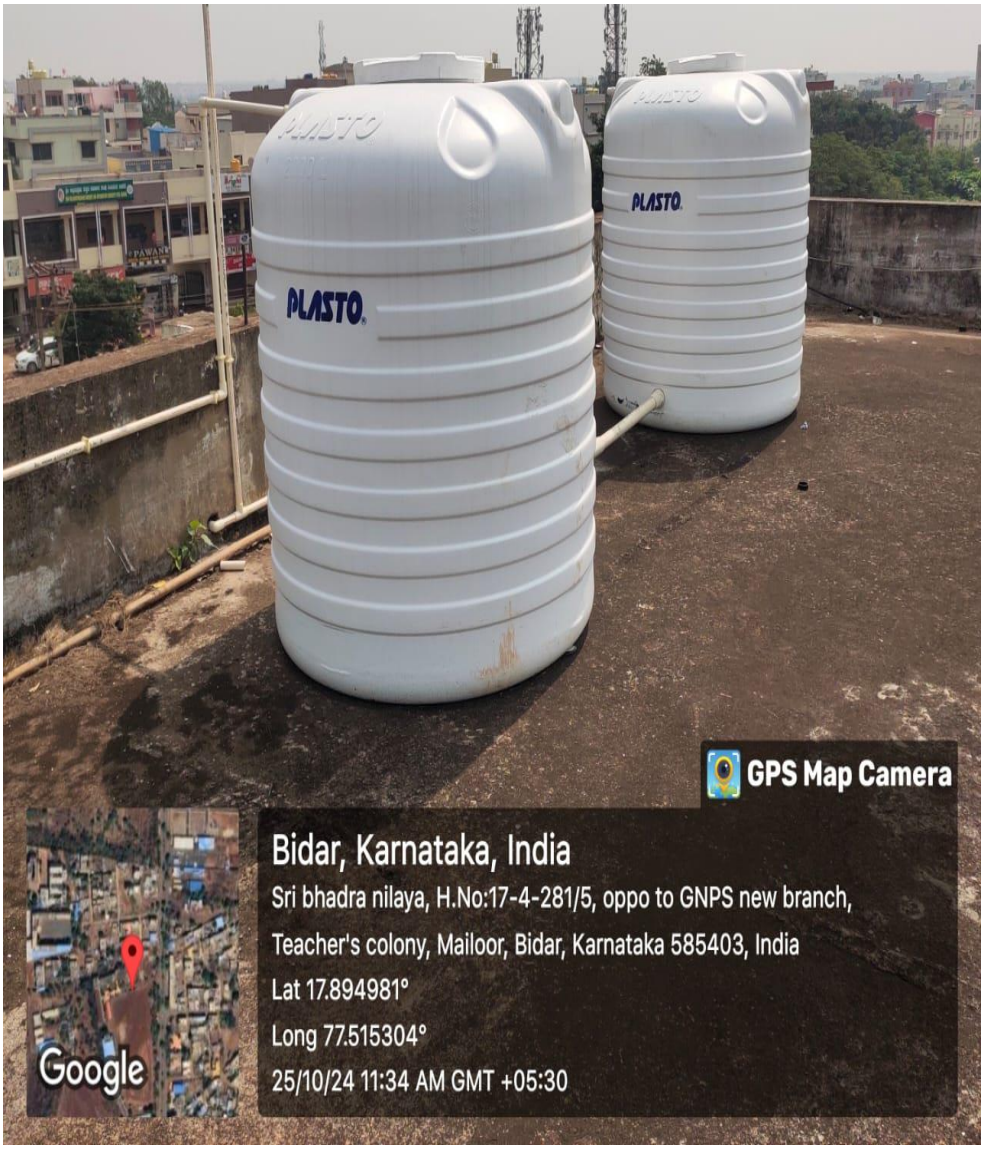
3. **Overhead Tanks (Syntex Tanks)**: The college has installed overhead water storage tanks with a capacity of 2000 liters each to store water for distribution across the campus.



Overhead Tanks in the College Campus

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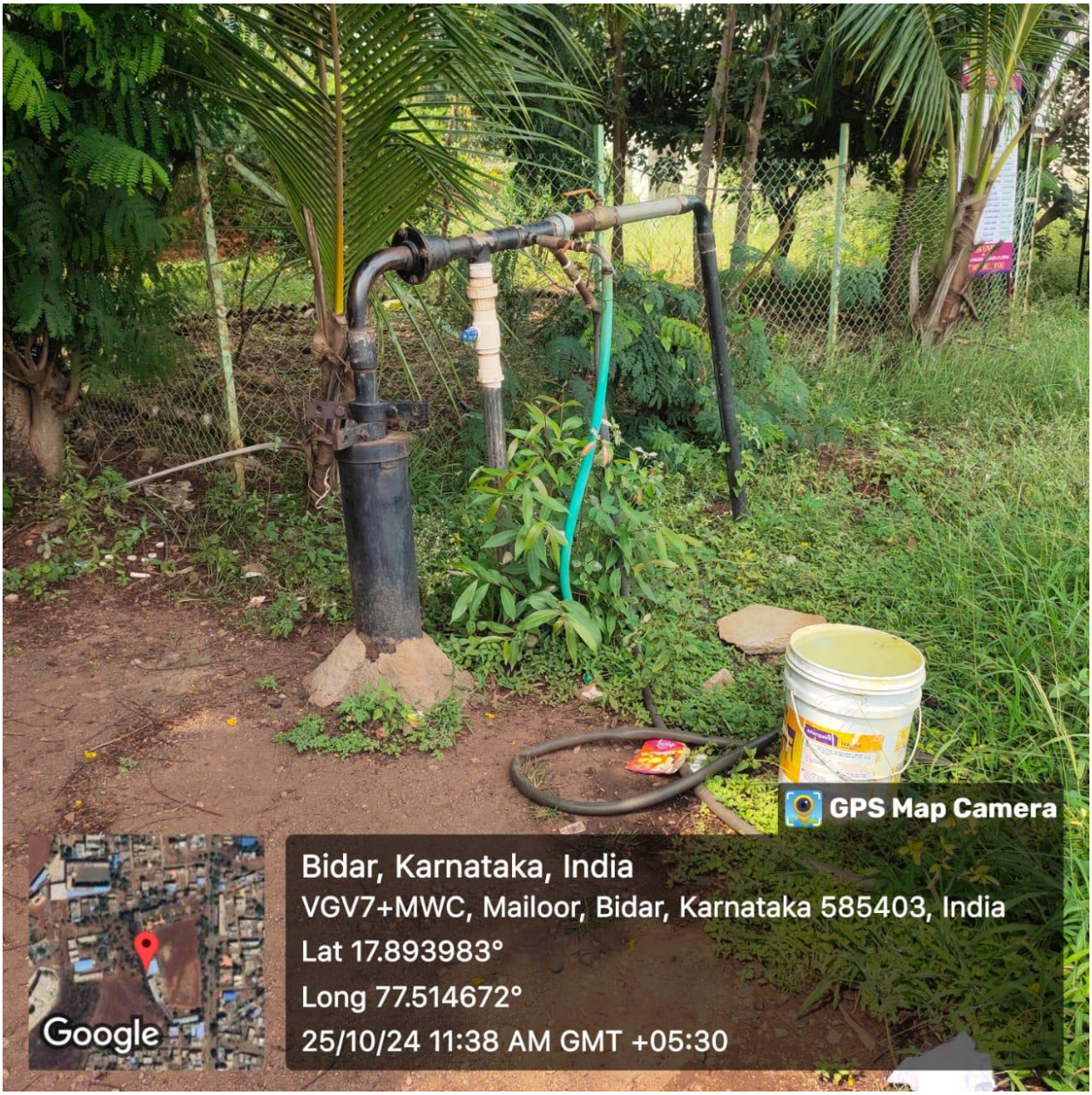

Bore well in College Campus

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Open Well in the College Cmapus

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Maintenance Procedures

1. **Borewell Maintenance**:
    - Regular inspections are conducted to check the functioning of borewells, ensuring that there are no blockages or malfunctions in the water pumps.
    - Borewell pipes are periodically cleaned to remove silt and other debris that may accumulate over time. The water flow is flushed out occasionally to ensure cleanliness and to prevent contamination.
    - The borewell pumps undergo routine servicing to ensure that they operate efficiently. Any damaged or worn-out parts are replaced immediately to avoid water supply interruptions.
2. **Open Well Maintenance**:
    - The open well is cleaned at regular intervals to remove leaves, dirt, and any other foreign objects that may fall into the well. A mesh cover is installed to prevent contamination.
    - Periodic water quality tests are conducted to ensure the well water meets safety standards for various uses. Any issues detected are addressed with necessary treatment measures.
    - The structural integrity of the well is checked annually, ensuring that the walls are free from cracks or leaks that could lead to water contamination.
3. **Overhead Tanks (Syntex Tanks)**:
    - The overhead Syntex tanks are cleaned every six months to prevent algae growth, bacterial contamination, and sediment build-up. This is done through a combination of manual cleaning and using disinfectants.
    - Water levels in the tanks are monitored daily to ensure an adequate supply. The system includes an automatic water level indicator to prevent overflow and wastage.
    - The piping system connected to the overhead tanks is regularly checked for leaks, and any damaged valves or pipes are replaced to ensure the smooth distribution of water.

Safety and Hygiene Protocols

- All water bodies, including borewells, open wells, and overhead tanks, are disinfected using approved chemicals to maintain water purity and hygiene.
- Adequate covers are installed on the open well and tanks to avoid contamination from external elements like dust, leaves, and pests.
- A proper drainage system is in place to ensure that wastewater generated during the cleaning process is appropriately disposed of, ensuring no adverse environmental impact.

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Water Conservation Efforts

- : In addition to borewell and open well maintenance, the college has implemented a rainwater harvesting system to recharge groundwater levels, ensuring long-term water sustainability.
- Regular audits are conducted to check for any water leakage in the distribution system, preventing water wastage and ensuring an uninterrupted supply.

Challenges and Solutions

- During the dry season, borewell and well water levels drop. To address this, the college ensures water conservation during high-demand periods and relies on stored water from the overhead tanks.
- Pumps experience natural wear over time. A yearly contract with a local service provider ensures timely repairs and replacements.

Future Plans

- The college is planning to implement an automated system for monitoring water levels in borewells and overhead tanks to improve water management and reduce wastage.
- Plans are in place to install more overhead storage tanks to increase water storage capacity, ensuring adequate supply during periods of high demand.

R V Bidap Law College places a high priority on the efficient maintenance of its water resources. The consistent upkeep of borewells, open wells, and overhead tanks ensures a reliable water supply for the entire campus. These efforts are aligned with the institution's sustainability goals and commitment to environmental stewardship.

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