



Water Distribution System Using Submersible Pumps in Innovative Institute of Law

Introduction

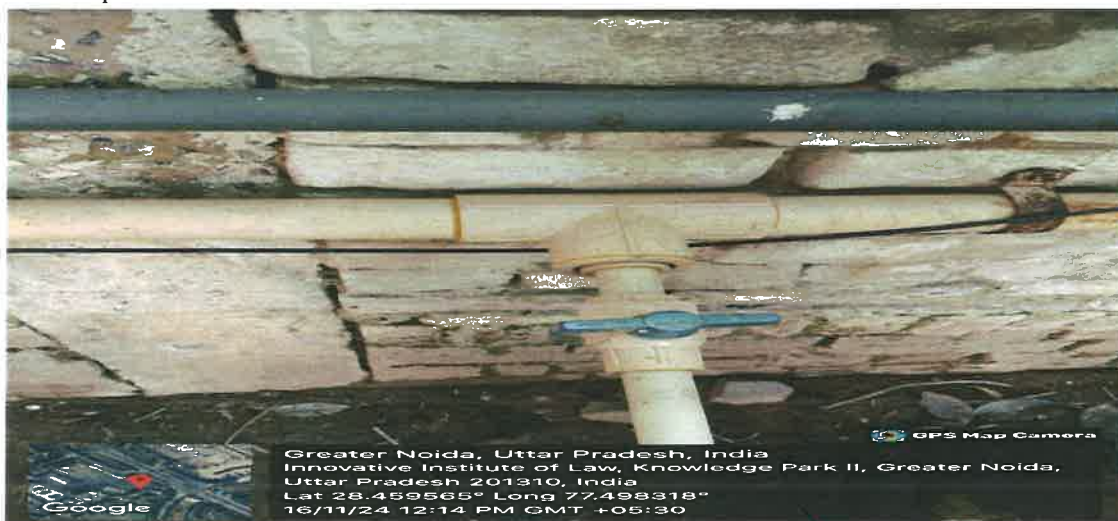
An efficient water distribution system is essential for ensuring a reliable supply of water for various needs, including drinking, sanitation, and maintenance. At the Innovative Institute of Law, a system utilizing submersible pumps has been implemented to deliver water efficiently throughout the campus. This write-up outlines the design, functionality, and benefits of the system.

System Overview

The water distribution system is centered around submersible pumps, which are known for their reliability and efficiency in drawing water from underground sources. These pumps are designed to function submerged in water, ensuring optimal operation without frequent maintenance.

The key components of the system include:

1. **Water Source:** A borewell serves as the primary water source.
2. **Submersible Pump:** Installed within the borewell, the pump draws water and transports it to the surface.
3. **Storage Tank:** Water is stored in overhead or underground tanks for distribution.
4. **Pipe Network:** A network of durable pipes transports water to various parts of the campus.



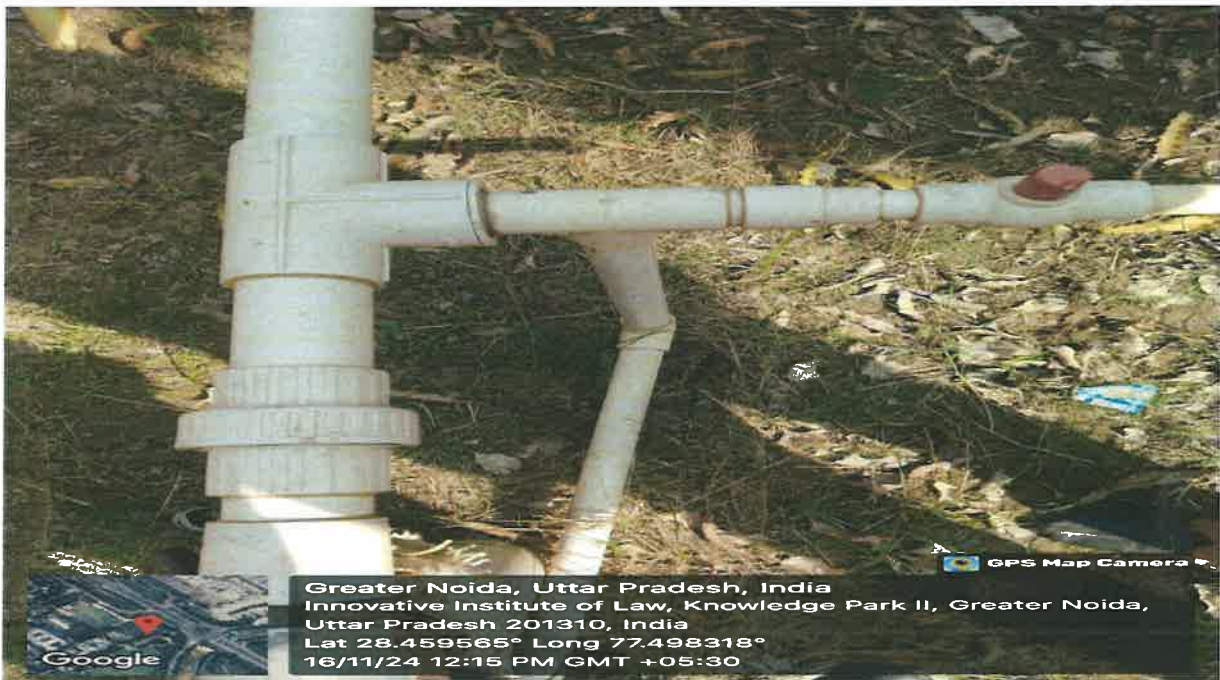


INNOVATIVE INSTITUTE OF LAW

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WATER DISTRIBUTION SYSTEM



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PRINCIPAL
Innovative Institute of Law
Plot No.-6, Knowledge Park-2
Greater Noida-201308

Plot No. - 6, Knowledge Park - 2, Greater Noida, U. P. - 201308. (Near Knowledge Park - 2 Metro Station)
Ph: 0120-2328555 | Website - www.innovativeinstituteoflaw.com | E-mail: innovativelaw2005@gmail.com



Field Irrigation System - Innovative Institute of Law

Introduction

The Innovative Institute of Law has implemented an efficient field irrigation system to maintain the greenery and ensure a sustainable water supply for its agricultural or landscaping needs. This system supports the overall aesthetic appeal and environmental goals of the institute by ensuring proper water management across all fields.

Irrigation Process

1. **Water Extraction:** Water is drawn from the primary source using pumps and transferred into storage tanks or directly into the pipeline.
2. **Distribution:** The pipe network ensures even water delivery across the fields.
3. **Targeted Irrigation:** Drip systems provide water directly to the plant roots, while sprinklers cover larger areas uniformly.
4. **Weather Monitoring:** Sensors and automated systems adjust irrigation schedules based on soil moisture levels and weather conditions.





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