



LIFE GREEN SYSTEMS
Green Cities | Clean Waters | Better Life

Modular Rainwater
Harvesting – Store and Reuse /
Underground Water Storage
LifeRain™ Tank by Life Green
Systems

Case Study

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Introduction about Life Green Systems Limited

Established in 2000, Life Green Systems (LGS) is a Sustainability expert assisting its Clients and partners in planning, designing and implementing innovative Green solutions to our pressing problems. Our Clients include Architects, City Planners, Builders & Developers, Multinational companies and other end users.

We provide cutting edge technology and customer friendly consultation, along with execution of projects related to - *Rooftop gardens, Vertical gardens, Permeable pavers, Efficient subsurface drainage, Rain water harvesting, Watershed management, Recharging groundwater, Ecological storm water drains, Lake Clean-up, Urban flood mitigation, Grey/wastewater treatment and many more.* Our products and solutions qualify for Green Ratings, obtaining Carbon Credits as well as LEED points.

Life Green Systems would like to help you create sustainable and vibrant living and working spaces. We are proud of meeting and exceeding the expectations of our clients in terms of customer service, project schedule and end product.

Client's Industry: Information Technology

Project Location: Trivandrum

Date of Commencement: 1, Jan 2014

Date of Completion: 20, March 2014

The Design Solution by Life Green Systems

Life Green Systems has designed and installed modular underground water tank at a world renowned IT company located in Trivandrum. The detailed modular technology and less civil work are the crucial aspects of LifeRain™ installation at the site.

This project makes use of:

- 4 Micro filters
- Construction of 2 observation well for extraction of water from tank
- Total storage capacity: 146 cum

Technical Description

This rainwater harvesting system for water storage or reuse consists of three basic elements: Observation well, LifeRain™ underground water storage tank and micro filters.

Our modular tank system typically requires geotextile fabric, EPDM liner, observation well for successful and effective installation. LifeRain™ tanks are pre filtered. Inside the tank water is kept at optimum conditions promoting aerobic activity within the tank. This prevents stagnation and growth of unhealthy anaerobic bacteria inside the tank.

Installation of LifeRain™ Underground Water Storage Tank



1. Excavation



2. Laying of geotextile & EPDM liner



3. Assembling of LifeRain™ Modules



4. Installation of 4 micro filters

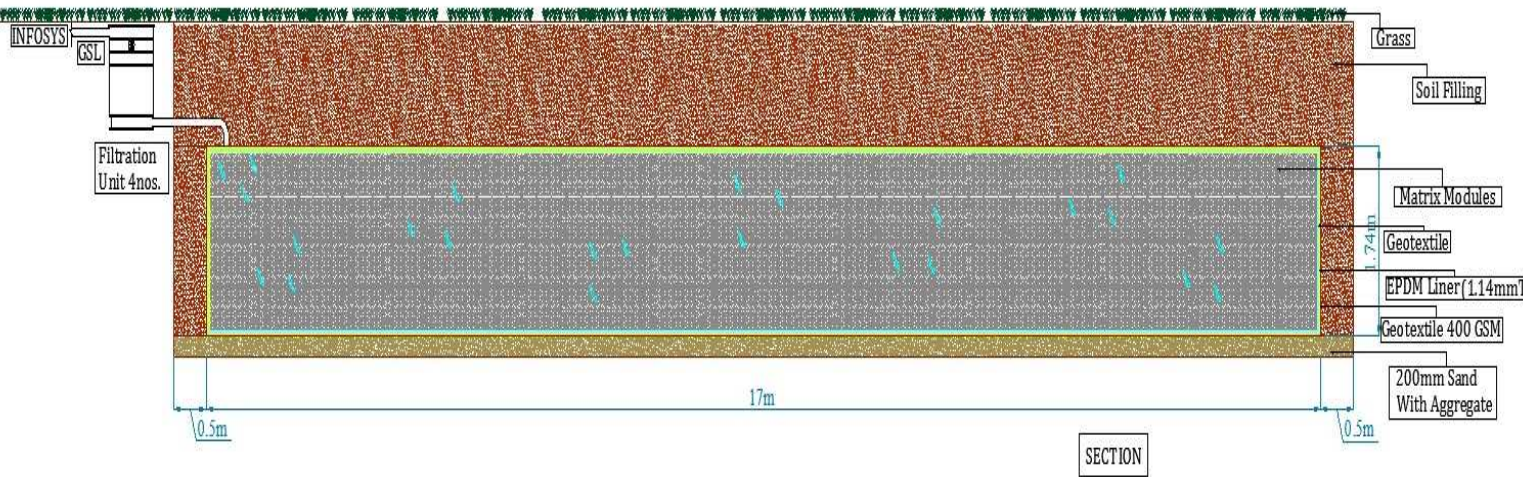


5. LifeRain™ Modules are wrapped in geotextile



6. Observation well for extraction of water from tank

Cross Section of Life Green Systems Underground Water Storage Tank:



Together we can work to achieve fresh water resource goals. We look forward to helping you find your balance.

Visit: www.lifegreensystems.com

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