

LifeRain™ Modules - Modular Rain Water Harvesting

Project Location: Central Delhi, India

Date of Commencement: 27th February 2014

Date of Completion: 7th March 2014

The Requirement

The prime challenge faced by the client is to create an extraction well; Life Green Systems observed the scenario and suggested the best option to install its state-of-the-art Modular Rainwater Harvesting system with advance feature as according to the CGWB norms extraction well can be made only after implementing an effective Rainwater Harvesting at the site. However conventional Rainwater Harvesting was not apt to suit the project needs.

The Design Solution

So, Life Green Systems has designed and developed modular rain water harvesting at project site to facilitate the construction of an extraction well with 25 meters depth. Our Modular Underground Water Tanks are a crucial element of this strategy and on a tight inner-city block the best option is to “bury” tanks where possible, releasing “ground space” for other uses.

This project makes use of:

- Dual step filtration: - Desilting chamber then micro-filter
- 6,000 litres rainwater tank
- 21,000 litres recharge capacity

This system provides spatial flexibility to ensure maximum available water volume is captured and stored. Rainwater can fall onto the courtyard, being filtered through the grass, soil, river sand and geo-textile layers into the tank, clean as a whistle, ready for use.



Recharge well & Base Preparation



Easy, fast & durable installation of LifeRain™ Modules



Assembling of LifeRain™ Modules

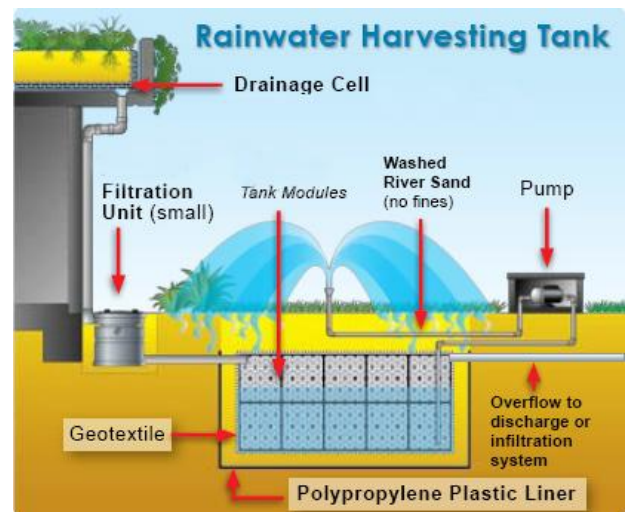


Geo-textile wrapping of LifeRain™ Modules

Why Life Green Systems?

Unlike others, who offer individual components, we provide end-to-end turnkey modular rainwater harvesting systems:

- There is no need to source individual components, perform due diligence to ensure reliable operation, or contact multiple vendors for service and support, Life Green Systems delivers the complete modular rain water harvesting solutions along with consultancy.
- Our water filtration and disinfection expertise ensures the right water quality for the intended end use
- We hold the experience & expertise to design and develop the most-suited rain water harvesting systems
- Installations of high-end modular rain water harvesting systems
- Recharge structure can be relocated easily. Tank can be relocated and size of tank can be increased.
- The site top surface is used as green area
- Water from top surface enters the modular tank after passing from soil, sand and geo-textile. Therefore the quality of water getting recharged is good.



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

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