

# Modular Rainwater Harvesting System

## The Need to Harvest Rainwater

With Rapid Infrastructural Developments & abrupt Groundwater Extraction, Percolation & Level of Groundwater has drastically reduced thus affecting our Ecology. Efficient Rainwater Harvesting is the Need of the Hour to help Conserve our Environment & Minimise the Deterioration incurred overtime

## Mandations & Regulations

In accordance with the Regulations enumerated by Central Ground Water Board (CGWB) & Guidelines by National Green Tribunal (NGT), the Central & State Governments have made Installation of Rainwater Harvesting Systems Mandatory for both New & Recent Commercial & Residential Developments in numerous parts of the country



## Solution?

### Modular Rainwater Harvesting System

The Modern Rainwater Harvesting System comprises of Polymer based Percolation Tank wrapped & Heat-sealed in High Quality Geotextile Sheets. The Inlet houses a State-of-the-Art Filtration Mechanism which keeps the Tank Clean & is also Easy to Maintain



### The Modular Harvesting System Comprises of:



High Quality Honeycomb Polymer Module



High Efficiency Rainwater Filter & Cross section



High Quality Geo Textile Sheets

## Benefits of Installing Modular Rainwater Harvesting System



Quick Installation



Eco Friendly



30+ Tonnes Load Bearing Capacity



Surface Use for Parking/Garden



Efficient Filtration



Easy Maintenance



High Water Percolation Rate



Good Water Quality



Usage Life of 50+ Years



Reusable System

## SHRI GANGA BORING CO.

Rainwater Harvesting Systems | Borewell Drilling | Specialised Drilling | Allied Services

Regd. Office: Shop No. 26, First Floor, Transport Nagar, Jwalapur, Haridwar, Uttarakhand-249404

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# Installation Process of Modular Rainwater Harvesting System



**Step 1: Excavation is under process after Completion of Borewell**



**Step 2: Preparation of Base for Laying of High Quality Geotextile Sheets**



**Step 3: Laying of Geotextile Sheets for Stacking of Polymer Modules**



**Step 4: Stacking of Polymer Modules for Installation of Rainwater Harvesting Tank**



**Step 5: Sealing of Geotextile Sheets after Installation of Polymer Modules**



**Step 6: Installation of Efficient Filtration Mechanism**



**Step 7: Landscaping can be executed on Top of Modular Rainwater Harvesting System**

## Difference between Modular & Conventional Rainwater Harvesting System

Features	Modular	Conventional
Usable Capacity	95%	55-60%
Utilization of Space	Can be Used for Parking, Gardens etc.	Top Surface Cannot be Utilized
Maintenance	Easy to Clean High Efficiency Filtration	Easily gets Clogged & Very Tough to Clean
Rate of Percolation	Water Percolates from 5 Sides plus Borewell	Water Percolates only through Borewell
Usage Life	50+ Years	5 to 10 years as Tanks need Repair
Environment Friendly	Eco Friendly Structure	Non-Eco Friendly Concrete Structure

### Implemented By:



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