

EXCAVATION

GUIDELINES

1. The trenches with 1.2m or more in depth shall at all times be provided with at least one ladder .

2. Under no circumstances mining or under - cutting shall be done.

3. Open excavations shall be cordoned off by suitable railing/barricading and warning signals installed to prevent persons slipping or falling into the excavations.

4. Shoring / sloping / shielding shall be provided depending upon the soil type.

5. Experienced and qualified supervisors or engineers shall be put in charge

SAFETY TIPS



RAIN WATER HARVESTING

Over the years, the necessity for the exploitation of groundwater resources is leading towards tremendous water wastage with depletion of Ground Water Table. In this context, adopting rainwater harvesting method is undoubtedly one of the simplest and best measures in conserving our ground water resources globally.

What is rainwater harvesting?

Rainwater harvesting is a sustainable and very good practice for conserving water that has been used for centuries. This eco-friendly method involves collecting and storing rainwater that falls on rooftops, surfaces, or other catchment areas, which can then be used for various purposes, to meet the demands of ever-growing domestic, agrarian and industrial sectors of the country. The primary aim of rainwater harvesting is to capture and store water from

would otherwise run off and be wasted, especially during rainy seasons.



Significance of Rainwater Harvesting

1. Conservation of Water: By capturing and storing rainwater, this practice helps reduce the strain on natural water sources as well as on city's artificial water reservoirs. In regions facing water scarcity or drought, rainwater harvesting ensures a more reliable source of water.

2. Protection of Environment: When rainwater flows over impervious surfaces, it picks up pollutants like oils, chemicals, dirt, clay materials and debris, thus preventing these pollutants from entering natural water bodies, promoting cleaner and healthier ecosystems.

3. Reduction of Energy Usage: Rainwater harvesting reduces energy consumption by utilizing gravity-based collection and distribution methods, decreasing the need for energy-intensive processes involved in pumping water from its source.

So by knowing the importance of rainwater harvesting in this present, uncertain world, why not take the advantages of the Rainwater Harvest System provided by Energy Plus, and prevent the challenges you face, while accessing regular water supplies within your area.

Why choose Energy Plus?

Efficient Water Treatment: Our water treatment and management system with innovative approaches help to meet the recent challenges with respect to clean and safe water demand, and its sustainability.

Expertise: Our proven track record and specialized knowledge in rainwater harvesting demonstrate the required skills and experience needed to execute the project efficiently and effectively.

Innovative Solutions: Our company's commitment to staying at the forefront of water and wastewater technology ensures that the project will benefit from cutting-edge and sustainable solutions.

Customization: Our approach of tailor made solutions to specific project requirements ensures that the rainwater harvesting system will be optimized for your needs.

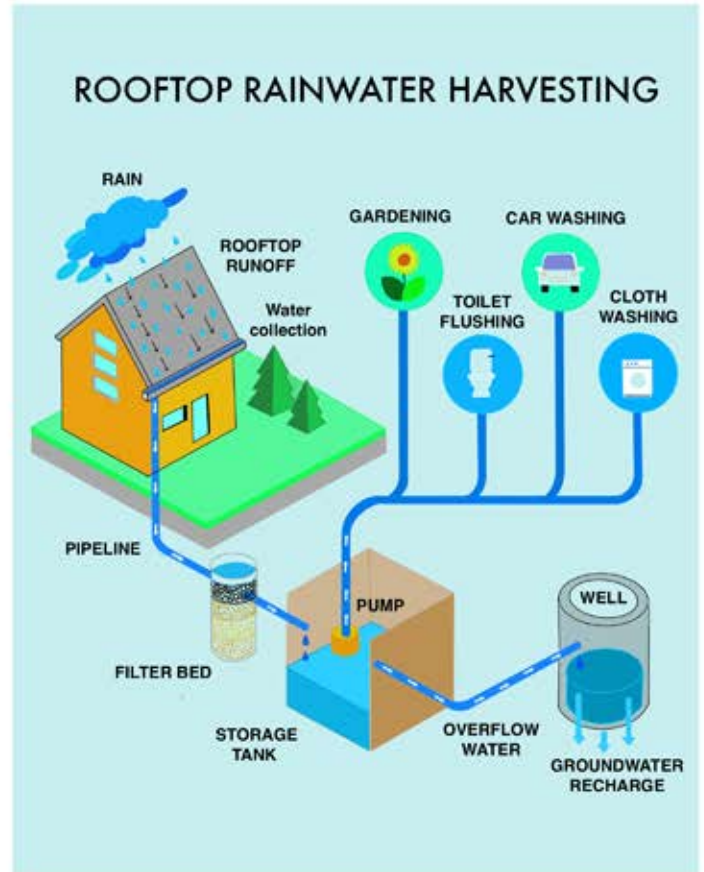
Regulatory Compliance: You can be assured that our thorough understanding of local regulations and codes will make sure that the project will adhere to all relevant regulatory guidelines, streamlining the approval process and avoiding potential setbacks/non compliance issues.

Glimpses of one of our Previous Rainwater Harvest Projects:

Location: Bagnan, Howrah, West Bengal.
Community satisfaction, positive feedback, and recognition from authorities confirmed the project's success and impact.

Below are the key factors that made the Rain-water Harvest Project a success:

- 1. Increased Water Availability:** The project significantly augmented water supply, addressing water scarcity and meeting the water demands of the community.
- 2. Environmental Impact:** It effectively reduced surface runoff, curbed soil erosion, and improved water quality in nearby water bodies.
- 3. Resilience to Drought:** The project enhanced the community's resilience to droughts by providing a reliable water source during dry periods.
- 4. Groundwater Recharge:** Rainwater harvesting contributed to replenishing groundwater levels, supporting overall water security.
- 5. Low maintenance:** The system demonstrated low maintenance requirements, making it feasible for long-term operation.



Conclusion:

Energy Plus represents a major step towards a sustainable and brighter future, through its Rainwater Harvest Project. With our cutting-edge solutions, unwavering commitment to quality, and passion for innovation, we are poised to make a significant impact in the industry. So, join us in shaping a brighter future together with our rainwater harvesting system.

For more information, visit our website to learn more and connect with us today. Together, we can achieve the greatness and create a lasting legacy for generations to come!

- Prof. Ashim Bhattacharya , PhD ; FICCE ; Principal Advisor and Trainer-Water Effluent System.

