



E-Learning Course Title: Rainwater harvesting

About eLearning Program (Brief One para): -

Fresh water is one of the most valuable and increasingly scarce resource due to its excessive demand/usage. Rain water is the main source of fresh water, and hence it is crucial that rain water be harvested. Rainwater harvesting is a method of collecting and storing rain water either for reuse at a later stage or for ground water recharge.

eLearning Course Coverage (Specify Module details)

To achieve these course objectives, this course consists of the following 6 modules:

Module 1- Why do we need to do rainwater harvesting? The problem

Module 2- Regulations of RHW

Module 3- Rainwater harvesting in ancient India

Module 4- Methods of rainwater harvesting and its advantages

Module 5-Best practices of rainwater harvesting from across India

Module 6-Technological innovation in rainwater harvesting

Register to learn (Key Learnings' in bullet points)

Module 1- Why do we need to do rainwater harvesting? The problem

- To know that rainwater is the main source of fresh water. It helps recharge groundwater.
- To understand that most of the rainwater flows away as surface runoff and thus it reduces the scope of recharging groundwater.
- To acknowledge that it is crucial to replenish groundwater resources.

Module 2- Regulations of RHW

- Appropriate public policies, strategies and regulations of RHW contribute to environmental, economic, and social development.
- Central Ground Water Board (CGWB) has prepared a conceptual document titled "Master Plan for Artificial Recharge to Ground Water – 2013" provides information about area specific artificial recharge techniques.
- The Master Plan envisages construction of about 1.11 crore artificial recharge structures in urban and rural areas.

- The National Water Policy (2012) advocates conservation, promotion and protection of water and highlights the need for augmenting the availability of water through rain water harvesting, direct use of rainfall and other management measures.

Module 3- Rainwater harvesting in ancient India

- To learn that RHW was a common practice in ancient India.
- To know that some of the water conservation systems around India were, and are still in use.
- To know about the different rainwater harvesting systems used in ancient India

Module 4- Methods of rainwater harvesting and its advantages

- Rainwater harvesting is classified into two methods; surface runoff rainwater harvesting and rooftop rainwater harvesting.
- To know that surface runoff if channelized and collected, could be used to recharge aquifers and also be utilized for everyday usage.
- To know that rooftop rainwater harvesting can also help in the recharge of ground water level.

Module 5- Best practices of rainwater harvesting from across India

- To learn about the various rainwater harvesting activities carried out by organizations.

Module 6- Technological innovation in rainwater harvesting

- To learn about Bhungroo, a unique, innovative and efficient rain water conservation technology used across Asia and Africa.

Thanks & Regards

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