

महाराष्ट्र शिक्षण समिती द्वारा संचलित

महाराष्ट्र महाविद्यालय, निलंगा



प्रमाणपत्र

प्रमाणपत्र देण्यात येते की, कुमार / कुमारी Biradar Ankita
Rajiv इयत्ता BCA ty हजेरी क्रमांक _____
शैक्षणिक वर्ष २०-२०२४ मधील प्रकल्प कार्य Rainwater Harvest
या विषयावर मार्गदर्शक शिक्षक / प्राध्यापकाच्या मार्गदर्शनाखाली अपेक्षित
सर्व कामकाज, माहिती संकलन व अहवाल लेखन विद्यापीठाच्या कला लेखन
नियमाप्रमाणे प्रकल्प कार्य तयार केलेले आहे. सदर प्रकल्प कार्य हे संबंधित
विद्यार्थ्याने स्वतः संकलित केलेले आहे.

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लेखन सामग्रीवर आधारित असून स्वतःच्या हस्ताक्षरात लिहिले आहे.

दिनांक : 18-10-23


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अनुक्रमणिका

अ.क्र.	घटकाचे नाव	पान क्र.
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Rainwater Harvesting

Introduction :-

In spite of astonishing achievement in the field of science & technology nature remain to be a mystery for human being. Though water artificial rain by cloud seeding etc. In some of the developed countries the shortage of water even for drinking purpose is a perpetual phenomenon. throughout the world especially developing & underdeveloping countries.

The term Rainwater Harvesting is usually taken to mean the immediate collection of rainwater running off surface upon which it has fallen directly. This definition excludes run-off from land, watersheds into streams river lakes, etc.

It includes water that is collected within the boundaries of a property from roof & surface.

The Rainwater Harvesting is the simple collection of storing of water through scientific techniques from the areas where the rain falls. It involve utilization of rain water for the domestic or the agriculture purpose.

The method of rain water harvesting has been into practice since ancient.



Need for Rainwater Harvesting

Most of the rain falling on the surface tends to flow away rapidly leaving very little for the recharge of groundwater. As a result, most part of India experience lack of water even for domestic uses.

Hence the need for implementation of measure to ensure that rain falling over a region is tapped as fully as possible through rainwater harvesting either by recharging it into the groundwater aquifers or storing it for direct use.



Ways of Harvesting Rainwater

① Surface Runoff Harvesting

It is a method in which rainwater flowing as a surface runoff is caught & used for recharging aquifers by adaptation appropriate method.

Roof Top Rainwater Harvesting

In Roof-top harvesting the roof become the catchment & the rainwater is collected from the roof of the house building. It can either be stored in a tank or diverted to artificial recharge system.



Some Techniques for Rainwater Harvesting,

• Storage of rainwater on surface for future use.

The storage of rain water on surface is a traditional techniques & structure used were underground tanks, pond check dams weire etc.

Recharge to ground water.

The collected rainwater is transferred to the ground through suitable means for recharging the depleting aquifers

pits :-

Recharge pits are constructed for recharging the shallow aquifers. These are constructed 1 to 2m.

