

Rain Water Flood Control

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Abstract: - When it rains, the rainwater gets everywhere on the rooftops on the road and in the fields in the gardens, and that large amount of water slowly comes into the rivers through a drain and the water level of the rivers rises. Due to which the chances of flooding are increased, there is a terrible consequence of the flood water, the collapse of trees, erosion of land, the collapse of houses, etc. is a dangerous way in which That people die and in the same way that the water that comes in the rivers goes near the dam and the water level of the dam rises and there is a very high amount of energy that we use in water energy It is said that if the gates of the dam are opened, then its water suddenly rises and due to this the problem like flooding spreads to the areas in the nearby village. Soak method has been created whose work will soak the water to the lower surface of the earth and solve the problem like flood.

Key words: Water Adsorption ,Ground Water, Flood Control

INTRODUCTION

When the rains are very high, then there is that much of the rain water which is found in a big river from the roofs of houses, from the fields of crops and from the drains on the roads and from small rivers. And due to which the water level of that big river rises greatly and this increased water level itself takes a terrible form of flood if we understand the flood, how can the flood be understood I mean that the maximum amount of water that is flowing in any quantity without any direction and result is called flood which increases the flood water and the water level of the rivers very highly, thus the increased water level. Soak it and bring it to the lower surface of the earth, so that the water level which is inside the ground will also increase and potable water will also be available.

When it rains, we get a lot of water and that water is collected on the dam through rivers and when there is too much water in the dam and the dam is about to break, then before that dam The doors are opened when the door is opened, a large amount of water is released, due to that water, the surrounding area is flooded in the village. Power rises more will also harvesting can absorb water in this place, and it developed into groundwater recharge.

WORKS RELATED TO TOPIC

According to the old research paper, when the rainy water collects on the roof of the house in excessive amount, it gets collected in the underground containers outside the house through the pipes in the house and it remains safe in it when needed. If it is used, then that water can be used, but there is a drawback in it that the rain water which is not only from the houses but also from the fields, is very high. If we cannot collect water in a vessel, then it is in the form of a terrible

flood, so in this way the water conservation which can be done can be done only in small form as Through the roof of the houses and we can harvest that water

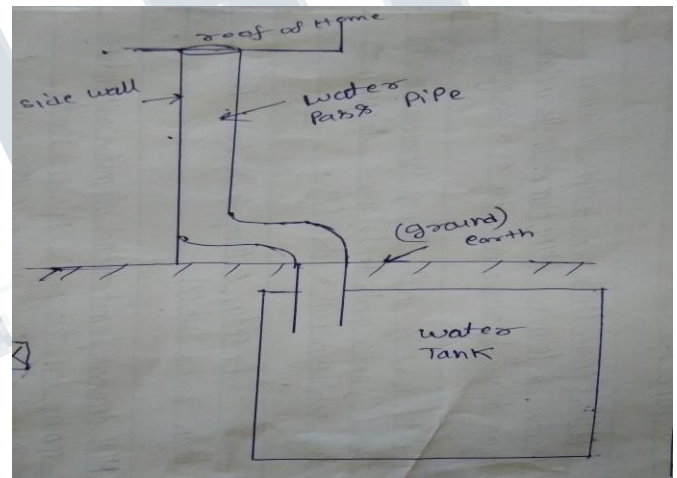


Fig: roof water collector

A method currently used to eliminate waterlogging on roads in which such roads have been molded using porous concrete and stone and when these roads carry rain water is a hole. Contained concrete absorbs that water and fills it in an empty area at the bottom and drains it there and adds it to the sewer line, thus the roads Waterlogging never causes problems like waterlogging, but it is only useful for roads, we cannot use it extensively.

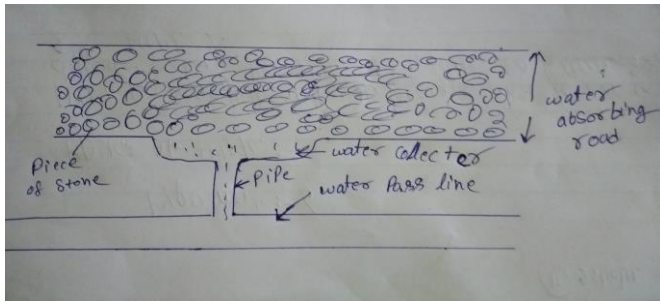


Fig: road water absorbing system

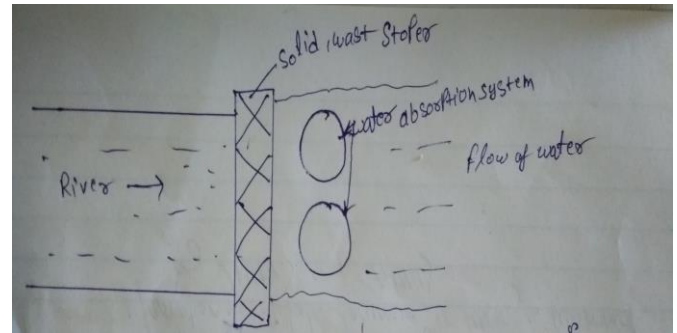


Fig: process of water adsorption system

According to the old research paper, when a large amount of water is collected, then that water is diverted on different routes and left to flow, then the increased water level starts decreasing but when all the changed routes are already If it is completely filled with water, then it will not allow water to flow on different routes, thus changing the flow of water on different routes. This is the process of running. It will not be able to operate completely. This is the way it is used only to flow water in different directions at small level or it will work smoothly there.

My Work

When the rainwater collects and flows into the rivers and that too through different means such as drains and the water that goes through it, it goes to the rivers, which is very much Due to the quantity of water, the flow in it increases and it generates a kind of flood. At the same time the flow of water in a very large area is called a water adsorption. Is controlled through

Water adsorption method

When the flow of rainy water flows over the absorber, the upper door of the absorber is opened, due to which the flow of water starts going inside its absorber Initial filtration process is also used inside the water adsorption so that the water reaches a certain amount of pure water directly into the ground water and The water level is also rising

Then whenever the water starts flowing in the normal way, then the door of this water absorber is closed. There are many doors in this water absorber, in this way we can reduce the flow of water even more. needed

We can apply this water drying device anywhere where there is a source of very high flows of water such as near dams, near the confluence of rivers and near very large rivers. Control of water and it can be applied on a very large dam, whenever the door of the dam is opened, the amount and flow of water can be controlled.

Structure of water adsorption device

This water-absorbing device is a well with a very large radius, the walls of which are filled with holes, and this device also uses a water purification method whose main function is to drink rainwater. This process is called the primary filtering method, in which various different types of sieves are applied, so that it can reduce the amount of rain water The water absorbing device is designed in this way by purifying it in the Tray and transporting it near ground water. In its primary filtering process, it is made by adding stone pieces, pieces of coal, sand grains and other materials. Before the water is pumped from the top surface, there are solid materials such as leaves of trees, plastic garbage, etc., with a forged device. This is done so that there is no obstruction in the water adsorption device and it can very easily absorb the water and reach the underground water inside the ground. Water level will rise underground

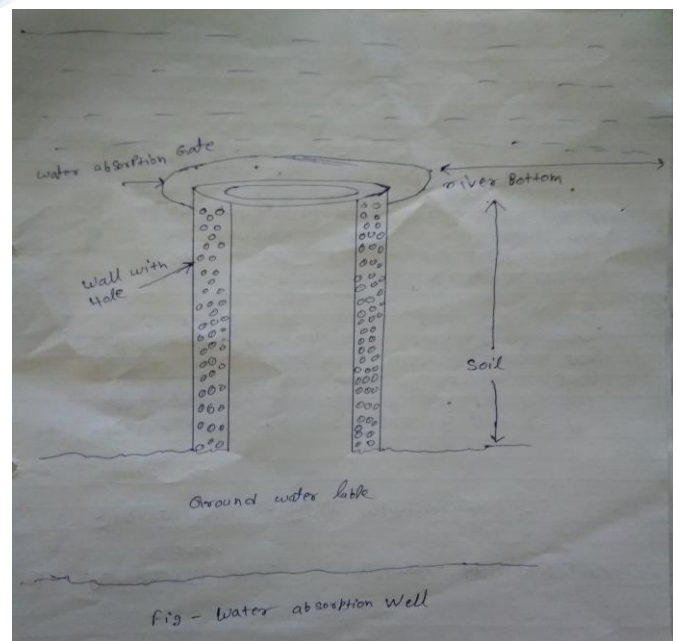


Fig :water absorption well

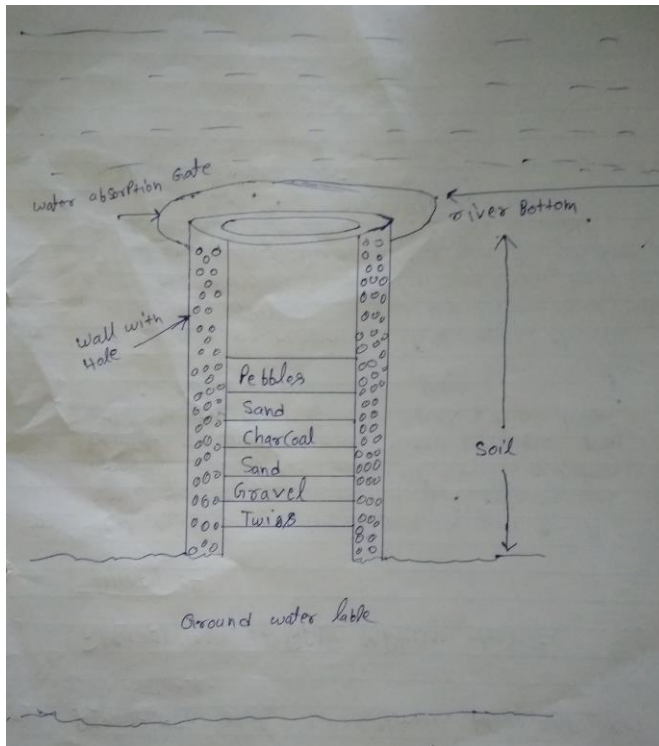


Fig: water absorption well with primary filtering process

CONCLUSION

The problem of floods is that it causes widespread loss of public wealth for any country, due to which large amount of farm, crops, cattle, houses and resources are lost due to floods. And the economy of the country is affected by using it we can save human and resources, we can use it near a very large source of water and its surroundings Coastal areas can be protected from drowning and destruction.

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