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Ground Water Making the Invisible Visible

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Abstract

In Rajasthan, the place I live in, they celebrate in the whole village when they dig out the water from the ground after digging for 3 to 4 days continuously. The resources distributed are not the same even among the states of our country. The level of ground water is getting depend and depend but still we are not aware about it. What we are doing is making our life good, peaceful, and easy to go, and the life of our upcoming generation will be the opposite as we are overusing the nonrenewable resources and water, the most essential thing in this world. When I break my fast the first and foremost thing I used to do is to drink water. I can control my hunger but controlling myself from drinking water is a tough task to do. Drinking water is essential but what if the condition of water is not even to look at it. And so many people are force to drink it because there is no other option for them. Do water have any substitute. No the answer is no. then why are not looking at this issue. Earth is your mother, be very serious on it. It is our duty to take care of our environment. You are responsible for what the earth, the place you live in, is going from, and you have to take care of it.

India is the largest user of groundwater in this world, as our populations is about 130 million. That's not the issue for us because if we compare the population of India to China, China will win as of now, and they also have more area than India has, India is 7th largest country and China is number 3, covering about 6.3 % of the total land mass of the earth, in the list. India has about 18% of the world's population but it has only 4% of the global water resources, we already are not a good balance to the ratio of population to the water we had.

Why we need ground water is that only 0.5 % on the earth is fresh water and drinkable, so we need some other sources to get water, the only other source is ground water, dig out and get the water, but the question arises in today's time is how much one has to dig to get water that is clean and drinkable, the level of groundwater is getting way below where it was.

And on this , we all know that India is the land of agriculture you must be thinking why I am saying this, what makes this a point, the thing which makes this point and very important in discussing the topic of ground water is that India uses its 85% of its water on its agriculture, its not the domestic or industrial, they are not even in the frame of using water. But our farmers also

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depends heavily on the rain to come. And we very consciously know the status of monsoon in our country over the past few years, although monsoon lasts for 4 months but we barely get 30 days of rain to the crops. Barring this we also have issue over drinking water as we see in our country's capital Delhi, thousands of people in a queue to get some water which is only water tank to get. But they still in hope to get some water, how optimistic they are isn't it?

“Handwashing is one of the most effective ways to prevent the spread of COVID-19 and other infectious diseases, yet millions of people across the world lacks the access to a reliable, safe supply of water” these are the words of the director general of World Health Organisation Mr. Adhanom Ghebreyesus

The term drinking water or pure water has now become drinkable water, because they don't have water to drink. They don't have water to wash their hands.

Ground water is the most useful way of getting water in our country. Water, air was free in this world before the 20th century, but now people pay for good drinking water. Can anyone think about selling water before the two decades. He would be considered as a fool, because who pays for water, water is available everywhere. Now we see a lot of water purifier machines brands, not one but too many in the market but going back in the 90s can you please show me a water purifier because at that time there was no need of this kind of machines in the market. We will see that thing in the market what we want. Want or demand runs the market, today we need water purifier because we are not getting that cannot be gulped in one will not even look into the tumbler so don't make dreams of drinking of it. That's the reality of today's world, that's the situation of water. Today water is available everywhere but we cannot drink it, we cannot even take a bath of it. That's the point of paying for water.

In 2018, NITI Aayog stated that nearly half of the population of our country is facing extreme water stress. That was the situation of the country 4 years back, are we still there or we have seen some more decline. The answer is yes, we have seen some ore decline in the last 3 years, the situation of pure water or as I said drinkable water is getting worst and worst.

The scarcity of water in India affects hundreds of millions of people across the country. A major portion of the population does not have a reliable and constant means of getting water for their

daily needs. In June 2019, 65% of all reservoirs in India reported below-normal water levels, and 12% were completely dry (Wikipedia)

This is all about the lack of rainfall and the most important thing is rainwater harvesting, ok let's agree the fact that in past years , the rainfall in monsoon is not up to the mark, but do we tried to harvest, do we even feel the need of harvesting rainwater. Australia is one of the driest continent in the world, but according to (cleanwater.com.au), Australia is best when it comes to rainwater harvesting, the citizens know the fact that they need the water to survive there upcoming generation need the water to survive so they are doing, and we not even thinking about our upcoming generations, how they will manage to survive on this planet, because water is the most necessary part of our body in fact our body is made up of water about 71%. Today what we are doing is that we are taking care of our young's future by securing a seat in good school, a good college, by making big fixed deposits on their name to have some money when needed, but how they will survive on this planet without water, we duly know the fact that water is essential but we dint want to know that keeping the drinkable water for our coming generation is also very necessary, you cannot deny it in any way. We are very low on petrol, coal and these things so we started solar energy, electrical energy, but tell me one thing what is the substitute of water, coca cola or mountain dew, or we will start making the mixture of hydrogen and oxygen to get water.is there any substitute for the water, error 404, no substitute found. The seriousness of the matter should be considered between the citizens of our country that water is essential, for electrical energy what we need, water, from where we get the electrical energy answer is water. From dams we get the electrical energy, that time is gone when we get the electrical energy from coal, that time has gone when the trains move on coal, today our prestigious Indian railway moves their wheels on electrical energy, and we get this energy from where water.

The declining of groundwater level compelled the people to start getting water from tanker and other source of drinkable water. The drinking water availability becomes the election issue in Delhi Vidhan Sabha election 2020, to provide drinking water to every citizen of Delhi was in the manifesto of the Aam Aadmi Party, and they won 63 out of 70 constituencies in the national capital. Although the water problem was not the sole reason to have this kind of winning the election but it was a big issue. Every morning, many parts of the national capital faces the water problem, one tank on more than 3000-4000 people. We need water of our generations to come

we are failing very much in providing the other non-renewable resources to our Children, as we are still not care about how to safe keep them, how to use them properly, efficiently. A leaky toilet can waste over 22,000 gallons of water in year and that its very enough to take three baths every day, and we don't even care if there is any leakage in our toilet or our tap is leaking minorly.

The sustainable development goal 6 focuses on clean and stable water to everyone In the world by 2030. According to national geographic, about 40% of the total population of the world lacks the clean water access. If the half population is not getting the clean water to drink then we are in great danger that can cover the world within its curse very soon. The diseases coma mainly out of stomach, the reason is bad food eating, the water we drink is very dirty, it contains so many chemicals that resulted in diseases, the more depend the level of ground water the more dirtiness in water can be seen easily and the decline of groundwater level because of overuse of the water and harvesting nothing but a joke to you, that's the problem of today's world

On 1 July 2021, the Joint Monitoring Programme report gives us the progress of the universal access to safe and affordable drinking water to all by 2030, speaking on its rate of progress the report says that it should be increase in least developed countries by ten-fold. It indicates that we are not good enough on the road to ensure everyone clean and safe water to everyone by 2030, we need rapid growth in order to achieve the goal.

The report also suggested that if the current circumstances remains same for the upcoming years, by 2030, only 81% of the world's population will have access to safe drinking water at home, and we will see about 1.6 billion without the safe drinking water as the growth is not good enough and the goal is to provide everyone safe and affordable drinking water. So in this way we are not accomplishing the target. In 2020, around 1 in 4 people lacked the safely managed drinking water in their homes and nearly half the world's population is lacking for the safe and drinkable water.

The thing we need today is optimal use of resources. Like in our house if something on dining table is lacking then the elders if the house started withdrawing their hands and use it less or according to the needs and ensure the younger ones to use in good amount. So it is very simple in context of using the resources, as we are very low on the resources then we must use it wisely, according to our needs, and store for the generations to come and let them as they can, this is the

responsibility of the elders to look after the need so f the young ones and ensure them good and peaceful life also as they are ours. We should take care of them we should provide everything what we consume in our times and what they can consume in their times, like in previous generations there was no phones to text anyone but we have this facility in our generation luckily and we use them also, so for this we need to balance what we have left in our store and what we have to do for the coming generations.

Rainwater harvesting we need very badly because this is one of the most important thing we can do to secure some safe water not only for us but for our generation, as we will use the water we harvested and the level of ground water will remain same so in this way we can say that we have done something good for our generation to come as our older one use to say that we do this for you, we can say that we ensure you safe water clean environment to you live.

Not even for generation we have to do this but for ourselves because today half of the world's population is lacking of safe and clean water.

No one will encourage in doing something new in fact they will find 100 ways to discourage you and try their best level possible to not do. But if someone has courage to do somethi9ng for the future then he would do on his own make the world in nothing short of awe. We won't get the electric bulb if Thomas A. Edison didn't try harder and harder to innovate a new thing. The thing we need to do is rain water harvesting as this is the need of hour