Rainwater Harvesting

Hello. My name is Pramod Krishnarao Kulkarni and I am a resident of Nagpur, Maharashtra. I have worked upon projects related to 'Rainwater Harvesting' and 'Drain Water Harvesting' for which I was awarded with 'MAYOR INNOVATION AWARD' on 3rd March 2019 by Honorable Union Minister Shri. Nitin Gadkari in Nagpur.

Rainwater Harvesting Project is extremely cost effective and easy to setup in your premise. The methodology and procedure is as follows:

1) Buy two fiber barrels with each with a capacity of 200 litres.
2) Ensure that 8-10 normal sized holes are drilled at equal distance on the top and bottom sides of the barrels.
3) Similarly, make 5-6 holes in a vertical line on all sides of the barrels. Equally distant 4 vertical lines are sufficient.
4) Dig a rectangular pit admeasuring 2.5 x 4.0 feet and depth of 3.5 feet.
5) Drop enough quantity of rubble (gitti) in the pit to make 1 inch layer at the bottom.
6) Place both the barrels on the layer upside down so that the original two big holes of the barrels are placed over the layer of rubble.
7) After placing the barrels, fill up the remaining gap around the barrels with 20 mm rubble (gitti) or with broken tiles of red bricks/clay bricks. Ensure the upper level of the fillings is 2-3 inches below the level of ground.
8) Flatten the top edges of the pit to make a smooth rectangular frame for placing granite tiles to cover the pit.
9) Place 2-3 granite tiles in the rectangular frame covering the pit. Maintain a gap of atleast 1 inch between the granite tiles for the rainwater to drain into the barrels.
10) After heavy showers and frequent rainy days, the barrels will preserve and harvest at least 1000 litres of water after draining enough water into the surrounding soil.

My efforts behind promoting these projects have been to make Nagpur city free of any water scarcity in future. I hope you all will use this easy-to-install method for a promising draught-free future.

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Thank you and wish you all a prosperous future.