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(57) Abstract :

An urban hybrid rain water harvesting system and associated smart monitoring method An urban hybrid rain water harvesting system and an associated smart monitoring method comprises a rain water drainage pipe(1) which connect roof top to ground tank(2); a water tank cover(4); a suction pipe(5); a pump foundation (6)to hold treadle pump(7); a delivery pipe(8) to deliver water from treadle pump to measurement sensor(9); a rotary type flow measurement sensor(9) to measure the flow of water which is supply to plants; sensor power (11) and signal wire connects measurement sensor to Wi-Fi development module with micro-controller; power adapter or controller(13); a smart phone(14) and said method comprising steps for urban population for irrigation in dry season and monitoring water supply from a distance for urban population. The invention refers to water conservation. The user can monitor the supply of water from a remote location using the mobile application.

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