

ONE BILLION DROPS



United Way Bengaluru

Sustainability Through Water Security



A campaign to create 10,000 percolation wells in the city of Bengaluru, in association with stakeholders - government authorities such as Bruhat Bengaluru Mahanagara Palike (BBMP), Corporates, and Community Members.

The project aligns well with the Prime Minister's clarion call of "Catch the Rain, Where it falls, When it falls" under the National Water Mission.

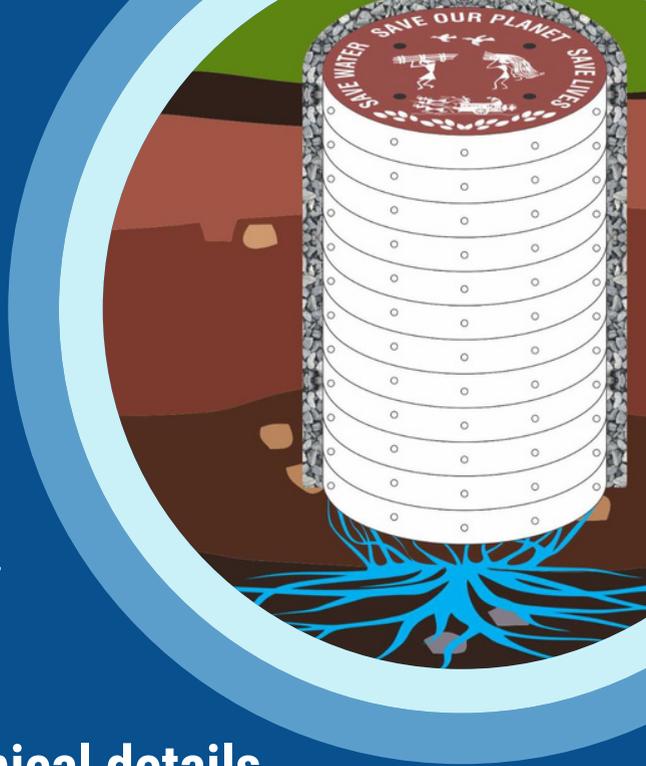
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Save Paper
Save Trees

Objectives

- Conservation of rainwater that is largely runoff, wasted, evaporated and lost across the city's terrain
- Contribution towards water security to ensure sustainable cities and communities
- Enhancement of groundwater table through percolation methodology



Technical details

Radius	2 feet
Height	12 feet
Volume	150.79 cubic feet
1 cubic feet	28.3168 liters
Volume capacity of a well	4,270 liters
Total number of wells	10,000
Total volume of a well can hold in a year - 30 times fill in a year	1,28,100 liters
Total volume that 10000 wells can hold in a year	1,28,10,00,000 liters

- Measurement - 12 feet x 5 feet
- Can hold 4,270 liters of water at a time
- Can percolate about 1,28,000 liters of water annually

STEP 1



- Baseling of the contour levels/slopes, waterways within the park and nursery
- Developing mini water shed areas - BBMP zone wise
- Baseline data collection and survey with beneficiaries
- Geo tagging of percolation wells locations

STEP 2



Manual excavation of soil by digging for 1 unit (12 feet deep x 5 feet wide)



Placement of concrete rings filling gaps with 40 mm jelly



Covering with slab of 4 inch thickness



Fixture of 10 mm iron rod as iron mesh for additional strength

STEP 3

- Thematic Warli art on water conservation
- Numbering of all percolation wells
- Placing of information boards about percolation well



STEP 4



- Monitoring and evaluation of impact of the project for the given location
- Creating awareness among the community about rainwater conservation

Sustainable Development Goals (SDGs) covered under the campaign

3 GOOD HEALTH AND WELL-BEING



6 CLEAN WATER AND SANITATION



13 CLIMATE ACTION



15 LIFE ON LAND



17 PARTNERSHIPS FOR THE GOALS



Target (for March, 2025)

Total : 10,000 percolation wells

Reach (as on March, 2022)

Total : 895 percolation wells constructed



United Way of Bengaluru



Vision  United Way envisions a world where all individuals and families achieve their human potential through education, income stability, and healthy lives.

Mission  United Way seeks to improve lives by mobilizing the caring power of communities around the world to advance the common good.

Started in 2008, we are a registered (FCRA, 12A and 80G compliant) not-for-profit organization that works with communities to take local action for global impact. We partner with stakeholders from the Govt., civic bodies and local communities, listen to their concerns, identify the problems, and empower them to tackle these challenges head on. But we don't stop there – we ensure our efforts reap long-term returns by staying connected with the communities.

And that's how we bring visible, lasting change.

LIVE UNITED

GIVE. ADVOCATE. VOLUNTEER.

For more information about the campaign, reach out to :

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