

Wading Water Woes by bringing 4M approach into program planning and implementation



LESSONS FROM INDIA

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Water situation in India



- 17% of the world's population but only 4% of the world fresh water resources
- Eight important river systems
- More than 200 rivers
- Average annual rainfall over the whole of India estimated as 119 cm (data.gov.in)
- As compared to six droughts between 1900 and 1950, India experienced 12 droughts in the following 50 years
- In 2002 India stood in the category of high water poverty (58.2)
- high score for use and capacity, but low access and the environmental component's score
- India will reach a state of water stress before 2025

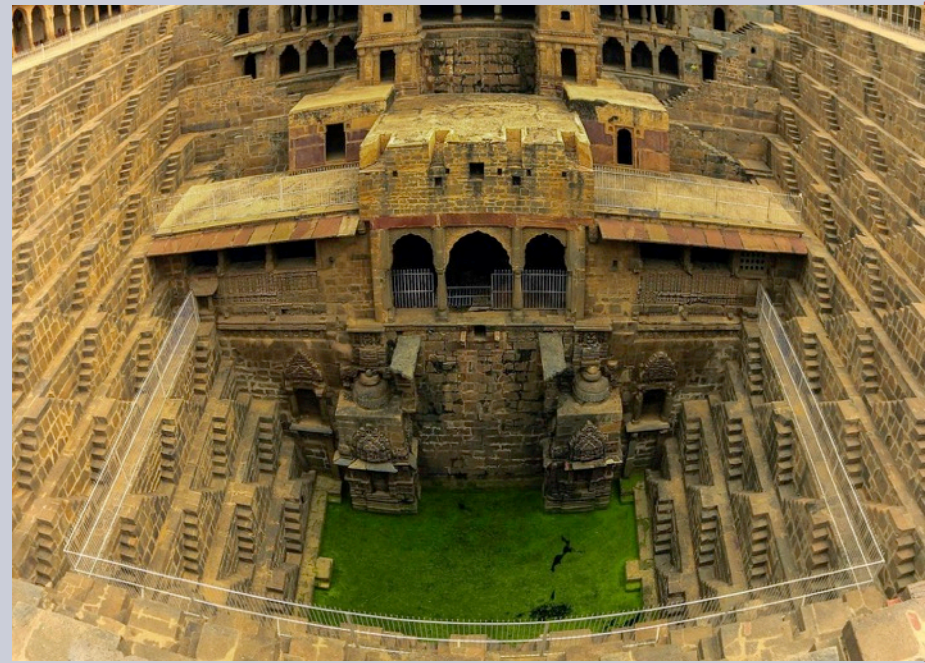
Traditional water management techniques



- Managed at the community level
- Of the community, by the community, for the community
- Rain Water Harvesting or channeling flowing/flood water
 - Zing – Himalayan Region
 - Baoris – Thar Dessert
 - Johad- Rajasthan
 - Temple tanks- South India
 - Bengal's Inundation Channel
 - Jackwells- Great Nicobar Island
- 19th century state centralized control over water resources
- Community's role in water management was negated
- Total dependence on state for water access



Agrasen Baori- Delhi



Agrasen Baori- Delhi



Sarkhej Roza- Gujrat



Temple tank- Tamil Nadu

POPULATION AFFECTED BY WATER STRESS IN INDIA



2017

63.4 million—living without access to clean water

2030

water deficit of 50 per cent (ADB)

2050

High water stress condition

Poor women –rural and urban areas will be worst affected

carried almost 192 liters water per day for a household of seven members

walk on an average 9-10 kilometers a day

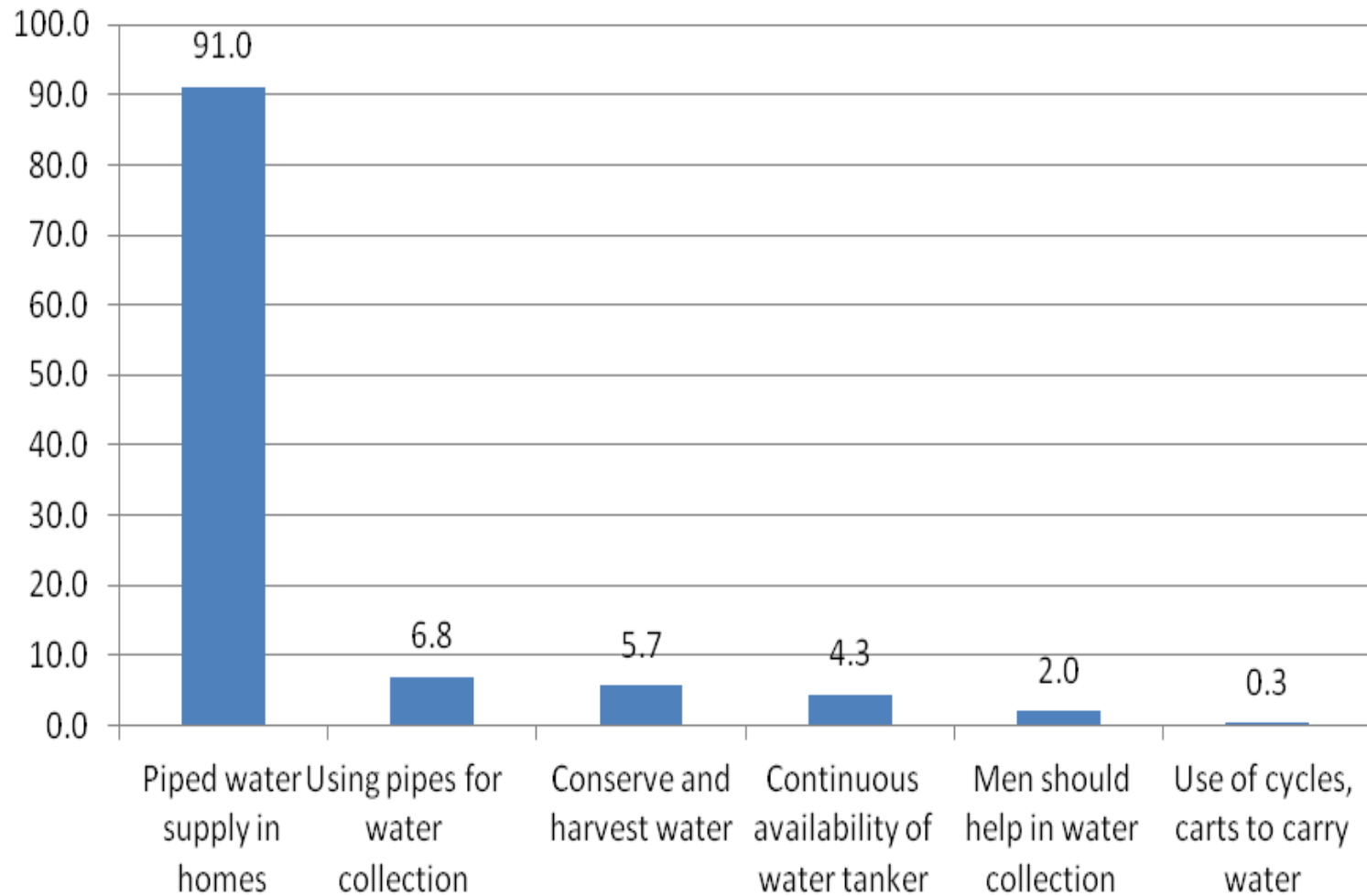
consume almost one-third of their daily calorific intake

estimated 103- 109 minutes every day; 150 million work days, annually=10 billion rupees per year



**What's the way out
?**

Response from women of Delhi- India



People's initiative



4M Approach



Motivating

the Community

Mobilising

the Resources

Monitoring

the Process

Maintenance

the Outputs

Conclusion



- Need to support such initiatives and out scale them
- Not the question of either or, rather BOTH
- Community participation is not just community based need assessment
- Community led initiatives
- Support and facilitate community to plan, implement and monitor
- government with communities
- Government programs and processes through this lens
- To ensure that community is motivated enough to mobilise resources, monitor the process and maintain the outputs

Thank you

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