

Water Supply and Sewage System of YCDC

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Challenges and Problems

Aged Transmission Pipe Line

- Frequent Pipe Break
- Higher Leakage

Complex Distribution Network

- Unstable Water Pressure
- Intermittence water Supply

Weakness in Regularization, Standardization and Materialization

- High non-revenue water in terms of
 - FOC connection
 - Damaged Meter
 - Spaghetti Service Pipe

Water Shortage at the out-skirt of City areas

- Need to find the available water resources
- Need to have distribution networks

Weakness in Collaboration between different ministries and departments





Interview Questionnaires

- Communicating with local people during the interview period
- gave the valuable chance to see their difficult living conditions and
- gain the knowledge of their current problem facing in water supply and sewage system.
- From the interview with YCDC, it has provided the future plans for sustainable water management.



Solutions

- to provide clean water to inhabitants
- to remove wastewater from users to prevent and unhygienic conditions
- to change people's mindset
- to balance between available water and water users
- to maintain aged water related infrastructures
- to harvest rainwater
- to increase public awareness
- to provide more green infrastructures to retain water and store as ground water

Conclusion

- Governmental organizations should manage water resources effectively and efficiently.
- We can use different water resources such as rivers, and rainwater to reduce the use of groundwater.



Thanks for your attention!

